SAMSUNG

ELECTRONICS

© Samsung Electronics Co., Ltd. **APR. 2003**

Printed in Korea

AK82-00360A

SERVICE MANUAL

CHT-420

SAMSUNG

DVD-VCR COMBINATION

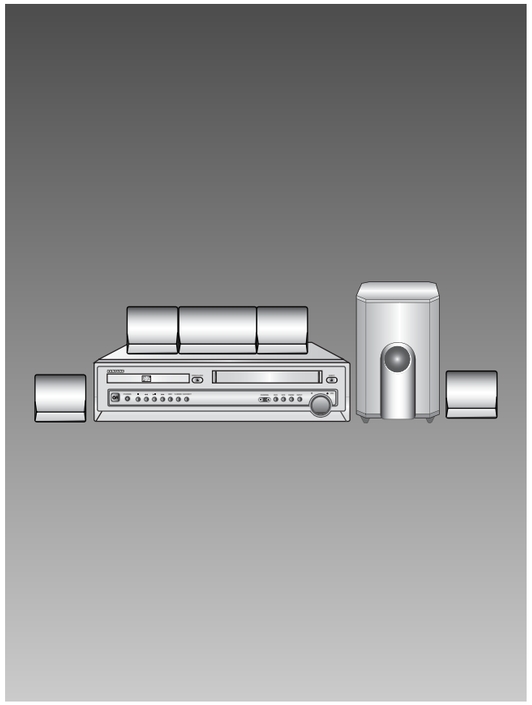
CHT-420

- **Main Unit ; DVD-CM420**
- **Speakers ; SP-420**

SERVICE Manual

If you want to know additional information which is not included on this Service Manual, please refer to the CHT-350 Training Manual (AK82-00297A).

DVD-VCR COMBINATION



CONTENTS

1. Precautions

2. Alignment and Adjustment

3. Exploded Views and Parts List

4. Electrical Parts List

5. Block Diagram

6. Schematic Diagrams

IMPORTANT SERVICE GUIDE

◆ MODE SWITCH (PROGRAM SWITCH) ASSEMBLY POINT

1) When installing the ass'y deck on the Main PCB, be sure to align the assembly point of mode switch.

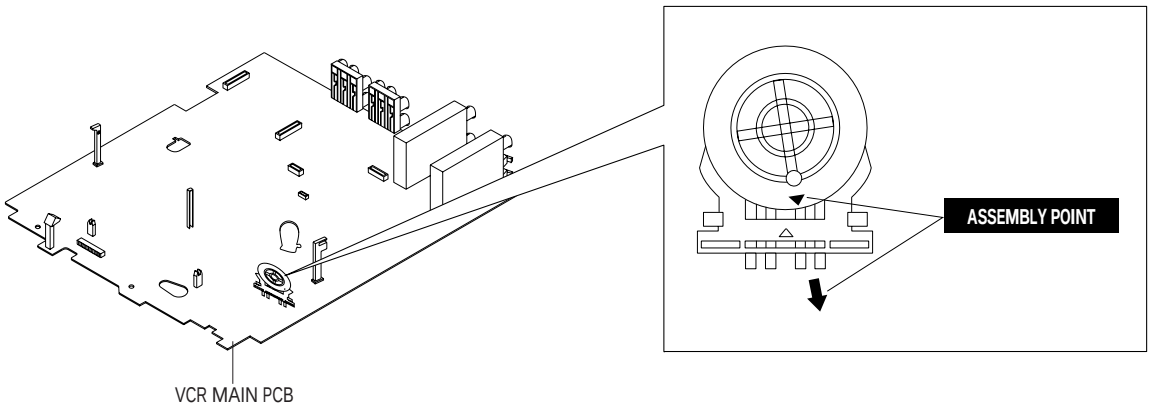


Fig. 1

◆ HOW TO EJECT THE CASSETTE TAPE (If the tape is stuck in the unit)

1) Turn the Gear Worm ❶ clockwise in the direction of arrow with screwdriver. (See Fig. 2)
   (Other method ; Remove the screw of Motor Load Ass'y, Separate the Motor Load Ass'y)
2) When Slider S, T are approach the unloading position, rotate holder Clutch counterclockwise after inserting screwdriver in the frame's bottom hole in order to wind the unwound tape. (Refer to Fig. 3)
   (If you rotate Gear Worm ❶ continuously when tape is in state of unwinding, you may cause tape contamination by grease and tape damage. Be sure to wind the unwound tape in the state of set horizontally.)
3) Rotate Gear Worm ❶ clockwise using screw driver again up to the state of eject mode and then pick out the tape. (Refer to Fig. 2)

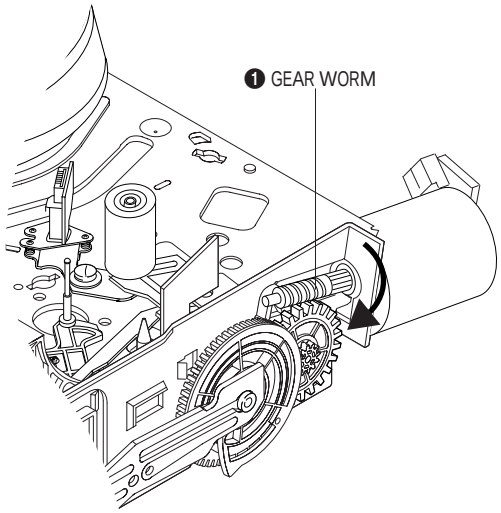


Fig. 2

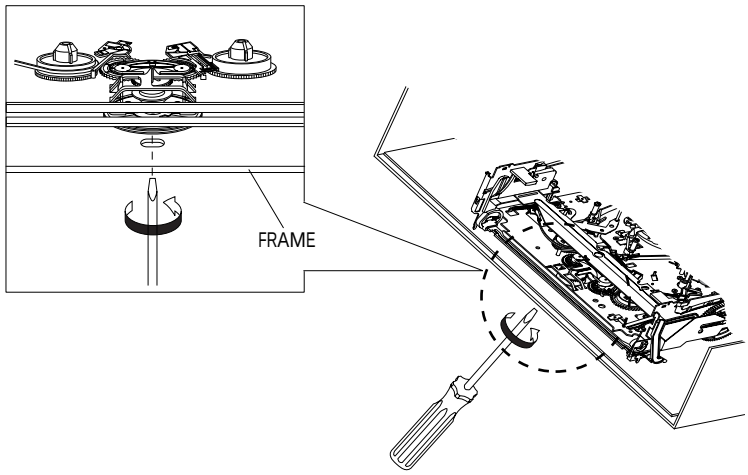


Fig. 3

1. Precautions

1-1 Safety Precautions

1) Before returning an instrument to the customer, always make a safety check of the entire instrument, including, but not limited to, the following items:

(1) Be sure that no built-in protective devices are defective or have been defeated during servicing. (1)Protective shields are provided to protect both the technician and the customer. Correctly replace all missing protective shields, including any removed for servicing convenience.
(2)When reinstalling the chassis and/or other assembly in the cabinet, be sure to put back in place all protective devices, including, but not limited to, nonmetallic control knobs, insulating fish papers, adjustment and compartment covers/shields, and isolation resistor/capacitor networks. Do not operate this instrument or permit it to be operated without all protective devices correctly installed and functioning.

(2) Be sure that there are no cabinet openings through which adults or children might be able to insert their fingers and contact a hazardous voltage. Such openings include, but are not limited to, excessively wide cabinet ventilation slots, and an improperly fitted and/or incorrectly secured cabinet back cover.

(3) Leakage Current Hot Check-With the instrument completely reassembled, plug the AC line cord directly into a 120V AC outlet. (Do not use an isolation transformer during this test.) Use a leakage current tester or a metering system that complies with American National Standards institute (ANSI) C101.1 Leakage Current for Appliances and Underwriters Laboratories (UL) 1270 (40.7). With the instrument's AC switch first in the ON position and then in the OFF position, measure from a known earth ground (metal water pipe, conduit, etc.) to all exposed metal parts of the instrument (antennas, handle brackets, metal cabinets, screwheads, metallic overlays, control shafts, etc.), especially any exposed metal parts that offer an electrical return path to the chassis.
Any current measured must not exceed 0.5mA. Reverse the instrument power cord plug in the outlet and repeat the test. See Fig. 1-1.
Any measurements not within the limits specified herein indicate a potential shock hazard that must be eliminated before returning the instrument to the customer.

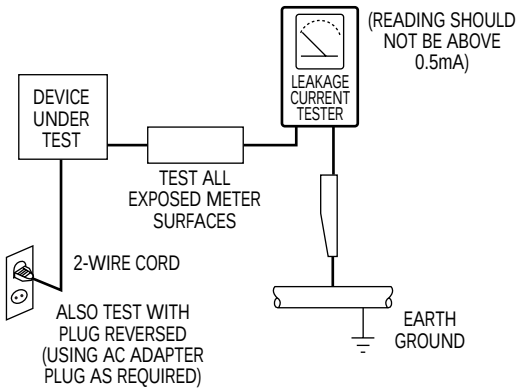

(READING SHOULD NOT BE ABOVE 0.5mA)
LEAKAGE CURRENT TESTER
DEVICE UNDER TEST
TEST ALL EXPOSED METER SURFACES
2-WIRE CORD
ALSO TEST WITH PLUG REVERSED (USING AC ADAPTER PLUG AS REQUIRED)
EARTH GROUND

Fig. 1-1 AC Leakage Test

(4) Insulation Resistance Test Cold Check-(1) Unplug the power supply cord and connect a jumper wire between the two prongs of the plug. (2) Turn on the power switch of the instrument. (3) Measure the resistance with an ohmmeter between the jumpered AC plug and all exposed metallic cabinet parts on the instrument, such as screwheads, antenna, control shafts, handle brackets, etc. When an exposed metallic part has a return path to the chassis, the reading should be between 1 and 5.2 megohm. When there is no return path to the chassis, the reading must be infinite. If the reading is not within the limits specified, there is the possibility of a shock hazard, and the instrument must be repared and rechecked before it is returned to the customer. See Fig. 1-2.

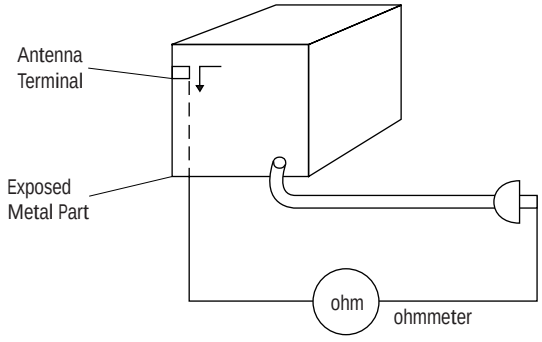


Fig. 1-2 Insulation Resistance Test

2) Read and comply with all caution and safety related notes on or inside the cabinet, or on the chassis.

3) Design Alteration Warning-Do not alter or add to the mechanical or electrical design of this instrument. Design alterations and additions, including but not limited to, circuit modifications and the addition of items such as auxiliary audio output connections, might alter the safety characteristics of this instrument and create a hazard to the user. Any design alterations or additions will make you, the servicer, responsible for personal injury or property damage resulting therefrom.

4) Observe original lead dress. Take extra care to assure correct lead dress in the following areas:
(1) near sharp edges, (2) near thermally hot parts (be sure that leads and components do not touch thermally hot parts), (3) the AC supply, (4) high voltage, and (5) antenna wiring. Always inspect in all areas for pinched, out-of-place, or frayed wiring, Do not change spacing between a component and the printed-circuit board. Check the AC power cord for damage.

5) Components, parts, and/or wiring that appear to have overheated or that are otherwise damaged should be replaced with components, parts and/ or wiring that meet original specifications.
Additionally, determine the cause of overheating and/or damage and, if necessary, take corrective action to remove any potential safety hazard.

6) Product Safety Notice-Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection, nor can the protection they give necessarily be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by shading, an (⚠)or a (⚠)on schematics and parts lists. Use of a substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and/or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

1-2 Servicing Precautions

CAUTION : Before servicing units covered by this service manual and its supplements, read and follow the Safety Precautions section of this manual.

Note : If unforseen circument create conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions. Remember: Safety First.

1-2-1 General Servicing Precautions

(1) a. Always unplug the instrument's AC power cord from the AC power source before (1) re-moving or reinstalling any component, circuit board, module or any other instrument assembly, (2) disconnecting any instrument electrical plug or other electrical connection, (3) connecting a test substitute in parallel with an electrolytic capacitor in the instrument.

b. Do not defeat any plug/socket B+ voltage interlocks with which instruments covered by this service manual might be equipped.

c. Do not apply AC power to this instrument and /or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.

d. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the test instrument positive lead. Always remove the test instrument ground lead last.

Note : Refer to the Safety Precautions section ground lead last.

(2) The service precautions are indicated or printed on the cabinet, chassis or components. When servicing, follow the printed or indicated service precautions and service materials.

(3) The components used in the unit have a specified flame resistance and dielectric strength.
When replacing components, use components which have the same ratings. Components ientified by shading, by(⚠) or by (⚠) in the circuit diagram are important for safety or for the characteristics of the unit. Always replace them with the exact replacement components.

(4) An insulation tube or tape is sometimes used and some components are raised above the printed wiring board for safety. The internal wiring is sometimes clamped to prevent contact with heating components. Install such elements as they were.

(5) After servicing, always check that the removed screws, components, and wiring have been installed correctly and that the portion around the serviced part has not been damaged and so on. Further, check the insulation between the blades of the attachment plug and accessible conductive parts.

1-2-2 Insulation Checking Procedure

Disconnect the attachment plug from the AC outlet and turn the power ON. Connect the insulation resistance meter (500V) to the blades of the attachment plug. The insulation resistance between each blade of the attachment plug and accessible conductive parts(see note) should be more than 1 Megohm.

Note : Accessible conductive parts include metal panels, input terminals, earphone jacks, etc.

1-3 ESD Precautions

Electrostatically Sensitive Devices (ESD)

Some semiconductor (solid state) devices can be damaged easily by static electricity.
Such components commonly are called Electrostatically Sensitive Devices(ESD). Examples of typical ESD devices are integrated circuits and some field-effect transistors and semiconductor chip components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

(1) Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.

(2) After removing an electrical assembly equipped with ESD devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.

(3) Use only a grounded-tip soldering iron to solder or unsolder ESD devices.

(4) Use only an anti-static solder removal devices. Some solder removal devices not classified as “anti-static” can generate electrical charges sufficient to damage ESD devices.

(5) Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESD devices.

(6) Do not remove a replacement ESD device from its protective package until immediately before your are ready to install it.(Most replacement ESD devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive materials).

(7) Immediately before removing the protective materials from the leads of a replacement ESD device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

CAUTION : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

(8) Minimize bodily motions when handling unpackaged replacement ESD devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ESD device).

1-4 Handling the optical pick-up

The laser diode in the optical pick up may suffer electrostatic breakdown because of potential static electricity from clothing and your body.

The following method is recommended.

(1) Place a conductive sheet on the work bench (The black sheet used for wrapping repair parts.)

(2) Place the set on the conductive sheet so that the chassis is grounded to the sheet.

(3) Place your hands on the conductive sheet(This gives them the same ground as the sheet.)

(4) Remove the optical pick up block

(5) Perform work on top of the conductive sheet. Be careful not to let your clothes or any other static sources to touch the unit.

- Be sure to put on a wrist strap grounded to the sheet.
- Be sure to lay a conductive sheet made of copper etc. Which is grounded to the table.

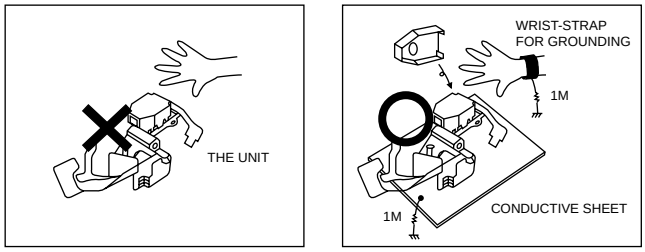


Fig.1-3

(6) Short the short terminal on the PCB, which is inside the Pick-Up ASS'Y, before replacing the Pick-Up. (The short terminal is shorted when the Pick-Up Ass'y is being lifted or moved.)

(7) After replacing the Pick-up, open the short terminal on the PCB.

1-5 Pick-up disassembly and reassembly

1-5-1 Disassembly

1) Remove the power cord.
2) Disassemble the Deck-Assy.
3) Make solder land 2 points short on Pick-up.
   (See Fig. 1-4)
4) Disassembly the Pick-up.

1-5-2 Assembly

1) Replace the Pick-up.
2) Remove the soldering 2 points on Pick-up.
3) Reassemble the Deck-Assy.

Note : If the assembly and disassembly are not done in correct sequence, the Pick-up may be damaged.

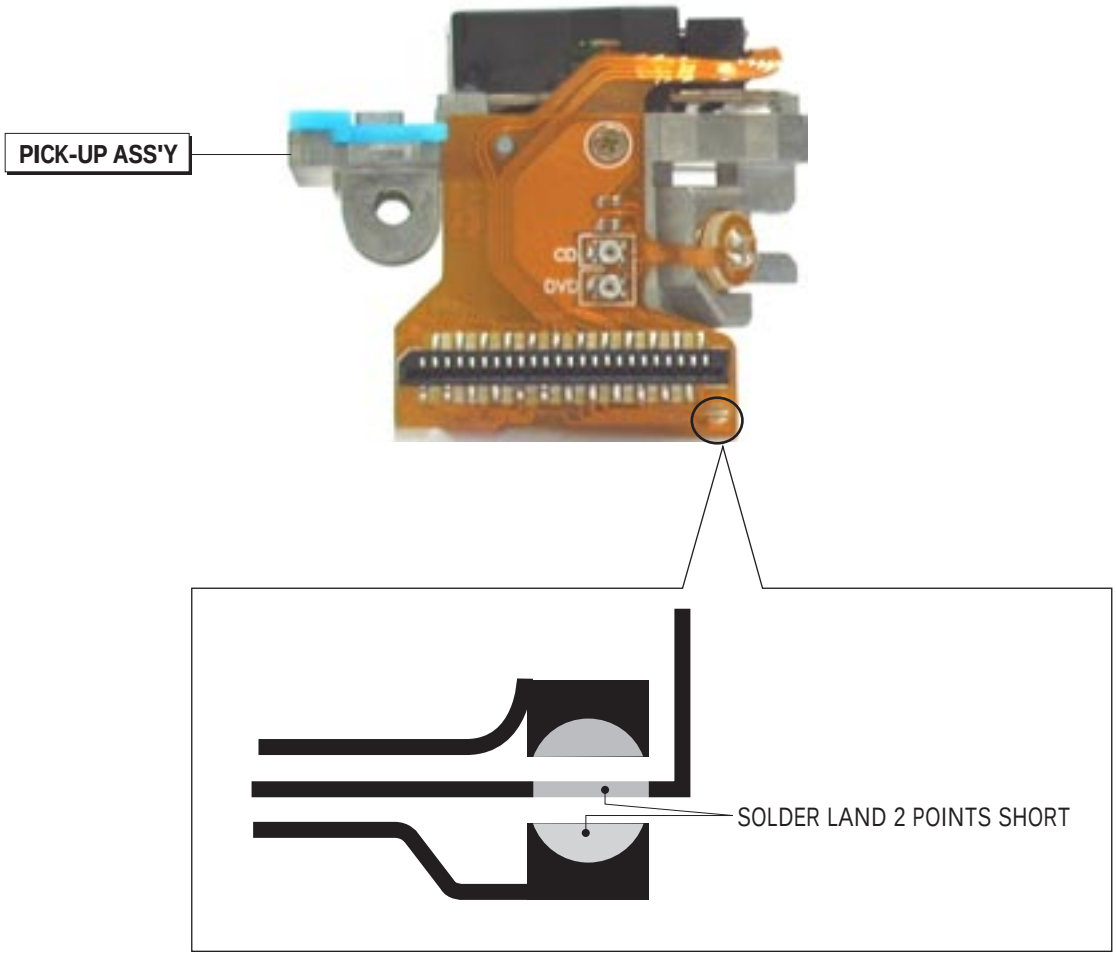


Fig. 1-4

2. Alignment and Adjustments

2-1 VCR Adjustment

2-1-1 Reference

1) X-Point (Tracking center) adjustment, “Head switching adjustment” and “NVRAM option setting” can be adjusted with remote control.
2) When replacing the VCR Main PCB Micom (IC601) and NVRAM (IC603 ; EEPROM) be sure to adjust the “Head switching adjustment” and “NVRAM option setting”.
3) When replacing the cylinder ass’y, be sure to adjust the “X-Point” and “Head switching adjustment”.
4) How to adjustment.
   - Press the “SW718 (TEST)” button on Function-Timer PCB to set the adjustment mode.
   - If the corresponding adjustment button is pressed, the adjustment is performed automatically.

2-1-1(a) Location of adjustment button of remote control

☞ X-Point (Tracking Center) Adjustment ; ⓪ + ⑤

☞ NVRAM Option Setting ; ① + ④

☞ Head Switching Adjustment ; ① + ⓪

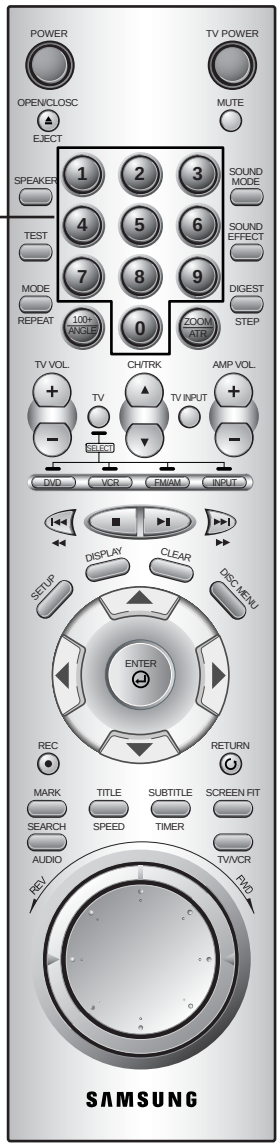
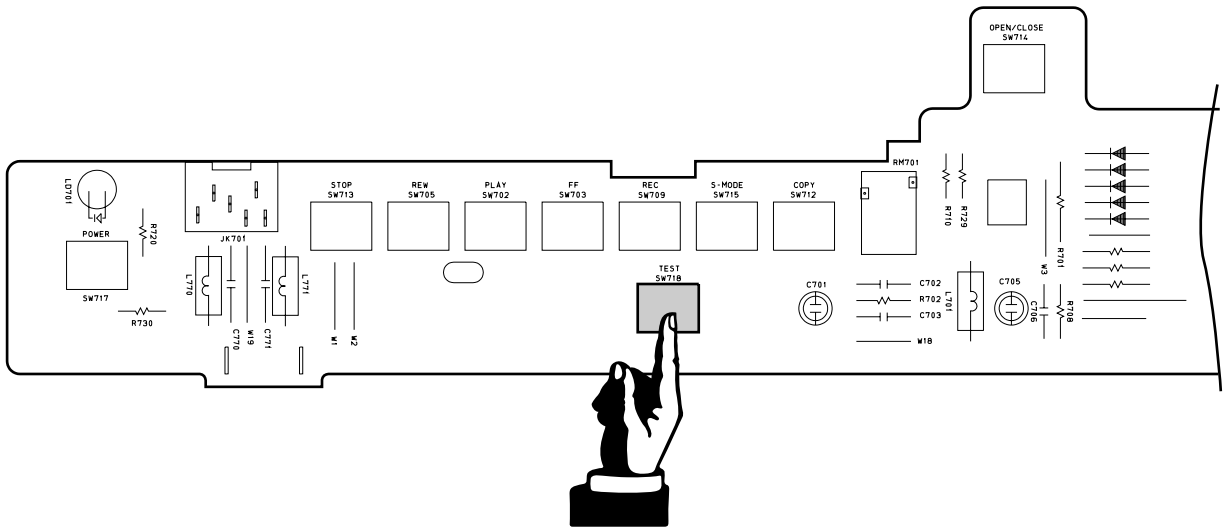


Fig. 2-1

2-1-1(b) TEST location for adjustment mode setting



TEST (SW718) BUTTON

Fig. 2-2 Function-Timer PCB (Top View)

2-1-2 Head Switching Point Adjustment

1) Playback the alignment tape.
2) Press the “SW718(TEST)” button on Function-Timer PCB to set the adjustment mode. (See Fig. 2-2)
3) Press the “1, 0” buttons; remote control adjustment operates automatically. (See Fig. 2-1)

2-1-3 NVRAM Option Setting

1) NVRAM Option is adjusted in the factroy.
2) In case VCR Main PCB Micom (IC601) and NVRAM (IC603 ; EEPROM) are replaced, be sure to set the corresponding option number of the required model. (If the option is not set, the unit will not operate.)

1) Press the “SW718(TEST)” button on Function-Timer PCB to set the adjustment mode. (See Fig. 2-2)
2) Press the “1, 4” buttons on the remote control. The option setting appears. (See Fig. 2-3)
3) Select the option number (See table 2-1) of corresponding model with “◀, ▶, ▲, ▼” buttons on the remote control.
4) After selecting the option number is completed, press the “▲” button of remote control. (If “▲” button is pressed, the selected number is changescolor. ; See Fig. 2-4)
5) Press the “ENTER” button of remote control again to store the option number.
6) Turn the Power off.

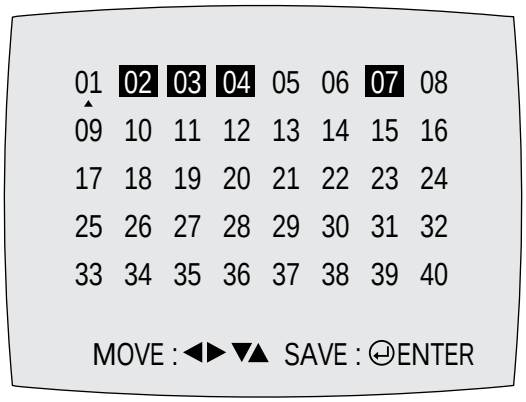


Fig. 2-3

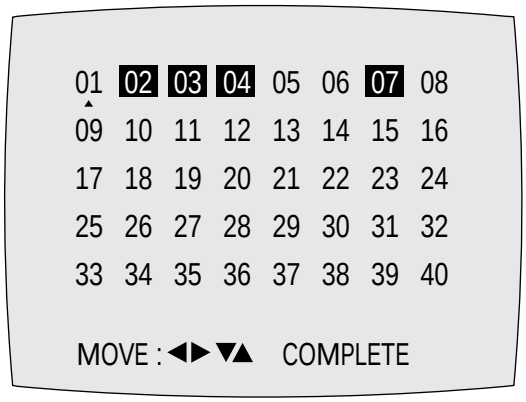


Fig. 2-4

<Table 2-1 NVRAM Option Table>

MODEL	OPTION NUMBERS
DVD-CM420	2, 3, 4, 7, 10, 17, 25, 32

2-2 DVD Adjustment

2-2-1 Location of Test Point

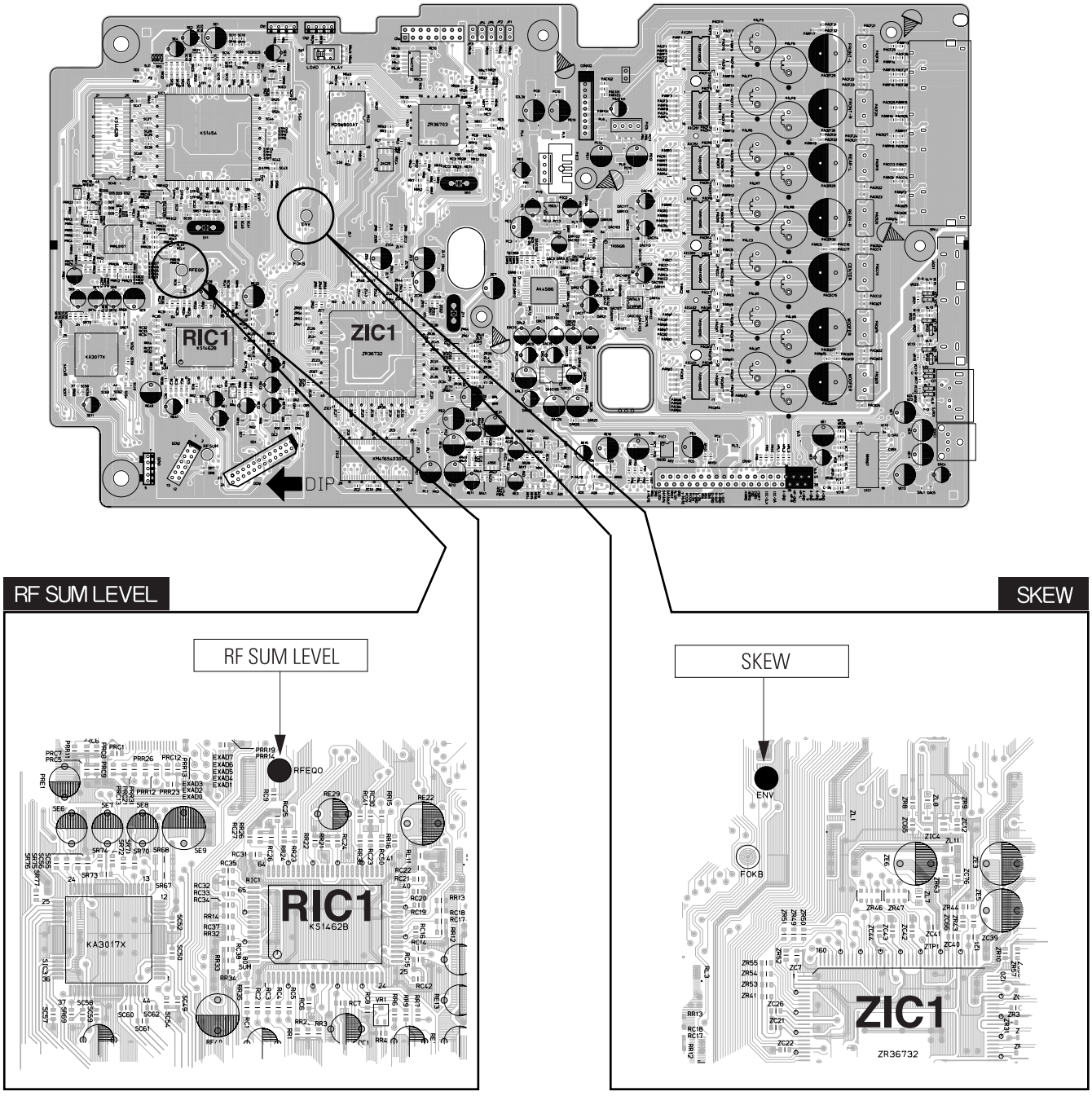


Fig. 2-5 Location of test Point (DVD Main PCB - Top Side)

2-2-2 Skew Adjustment

2-2-2(a) Adjustment Spec. and Test Point

<Table 2-2>

◆ Test Disc ; Service not Available

Test Disc	Adjustment Spec.	Test Point	Adjustment Location
TDV-533 Chapter 14	Flat Waveform	"ENV" (DVD Main PCB - Top Side) (See Fig. 2-5)	Ass'y Deck - Bottom Side (See Fig. 2-6)

◆ **SKEW (Tangential)** : The shift on the Vertical axis of Spindle Motor movement.

◆ **SKEW (Radial)** : The shift on the Direction of the Spindle Motor movement.

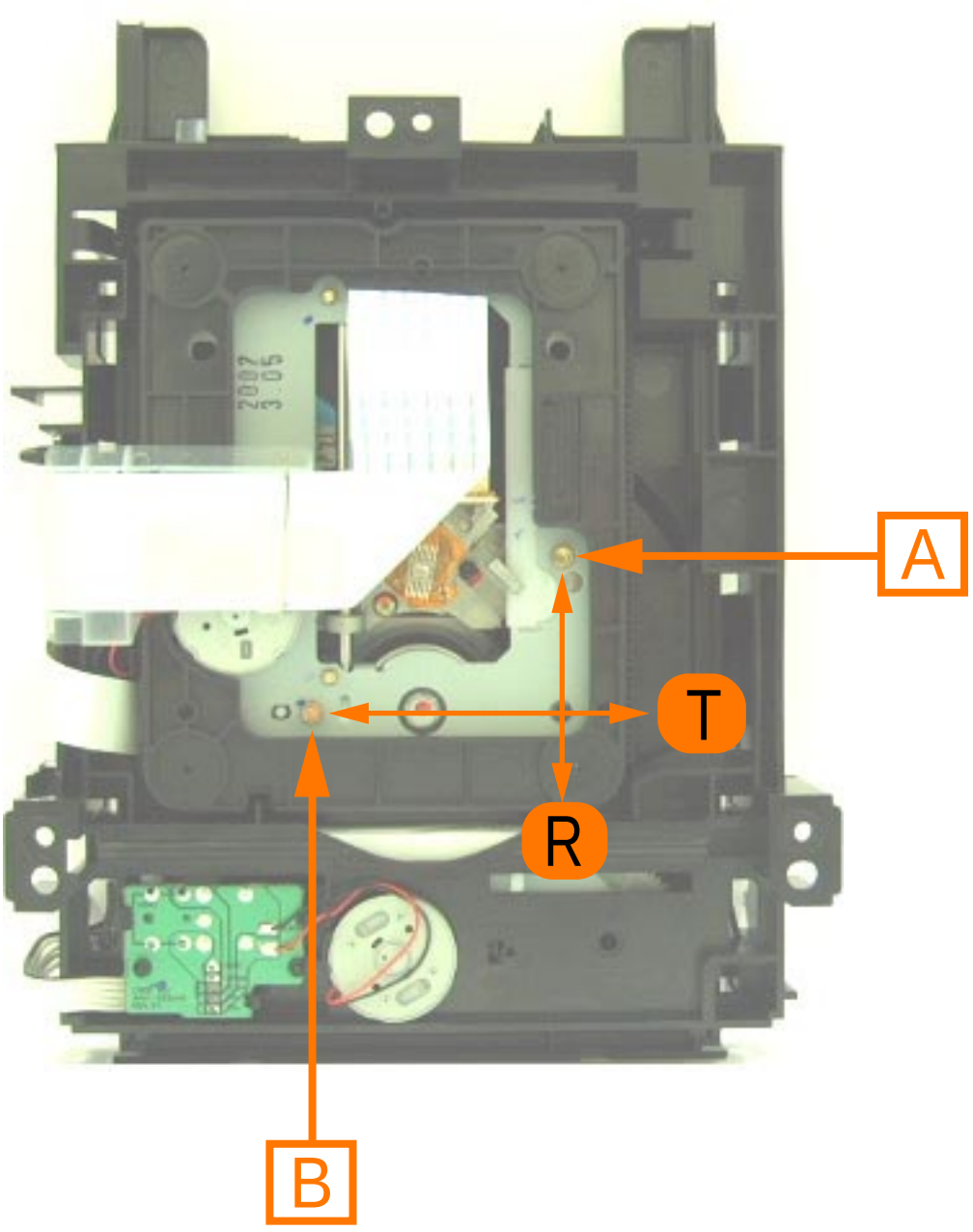


Fig. 2-6 Ass'y Deck (Bottom Side)

2-2-2(b) SKEW Adjustment Method

Needed to minimize the variations in Skew of the Pick-up unit and to provide optimum match with the recorded signal on the Disc.

1) Remove the Ass'y Deck.
   Place the Ass'y Deck on a flat horizontal position.
2) Connect an Oscilloscope to the "ENV" Test Point. (See Fig. 2-5)
   ◆ Set the Oscilloscope Range as follows :
   (Voltage ; 50mV / Div., Frequency ; 10m Sec.)
3) Connect Power, Open the Tray and Play the TDV-533 Disc, Chapter 14.
4) Adjust the Screws "A" and "B" (See Fig. 2-6) using a Hex screwdrvier until you obtain a Flat Waveform and the picture is stable.
   Then, go to Chapter 1 and make sure the Waveform is Flat here as well.
   If not, you have to go back to Chapter 14 and adjust again.
   If you cannot obtain a Flat waveform, then the unit is defective.

Note : The Deck must be in a horizontal position. Use both "A" and "B" screws to adjust, but mostly "A".

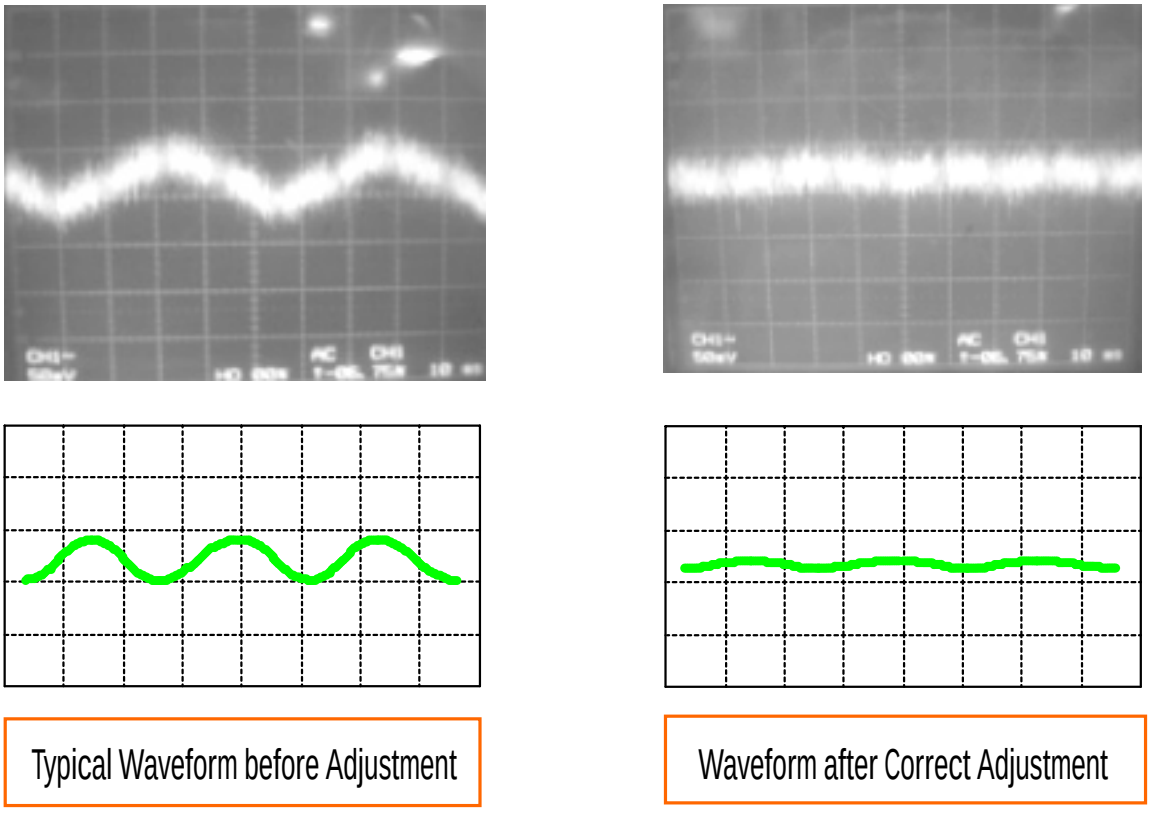


Fig. 2-7 Envelope Waveform

2-2-3 RF SUM Level Adjustment

2-2-3(a) Adjustment Spec. and Test Point

<Table 2-3>

Test Disc	Adjustment Spec.	Test Point	Adjustment Location
TDV-525	1.7 ± 0.2V	"RF EQC" (DVD Main PCB - Top Side) (See Fig. 2-5)	VR1 (DVD Main PCB - Top Side) (See Fig. 2-8)

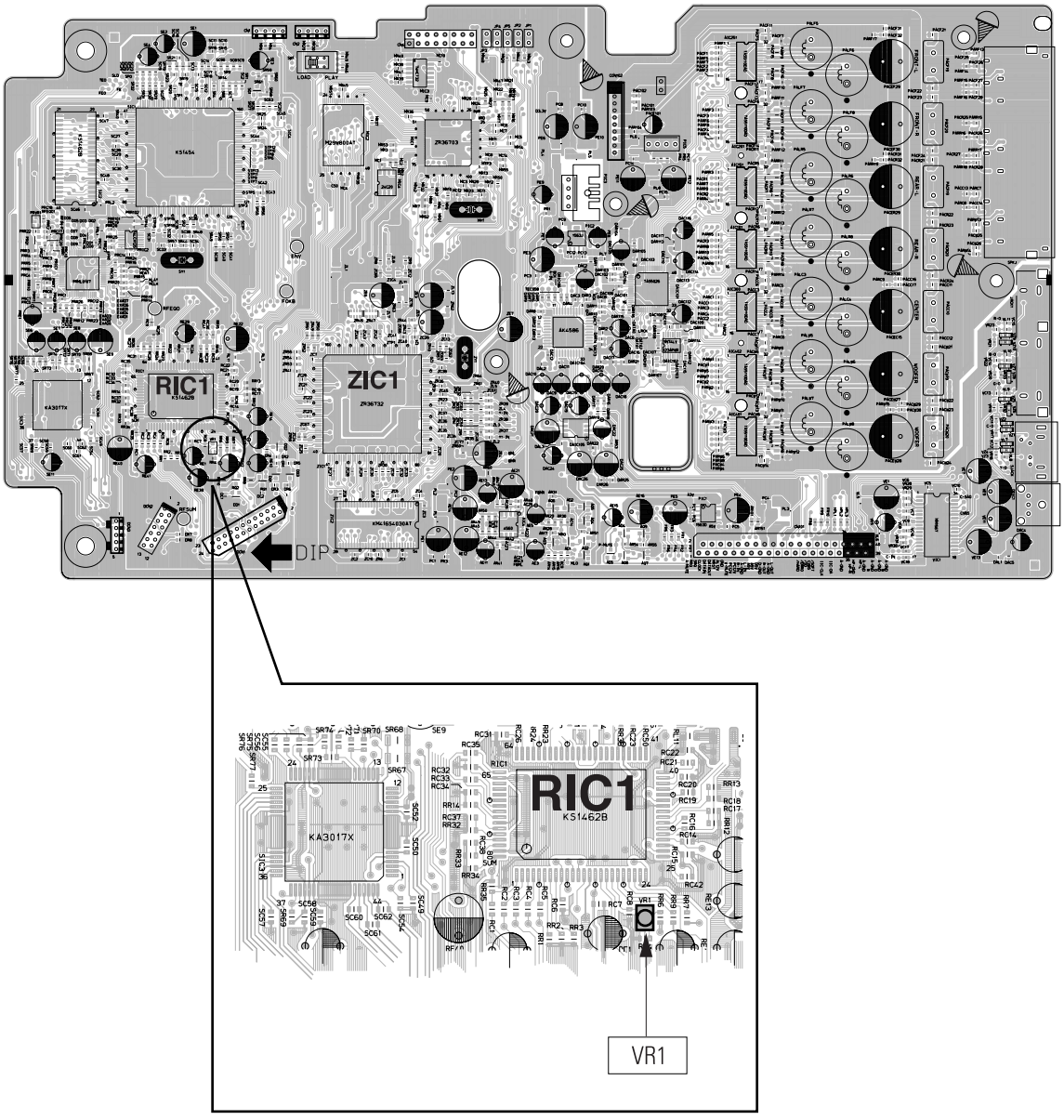


Fig. 2-8 Location of VR1 (DVD Main PCB - Top Side)

2-2-3(b) RF SUM Level Adjustment Method

1) Connect an Oscilloscope to the “RF EQC ” Test Point. (See Fig. 2-5)
2) Play a Normal DVD disc and set the Oscilloscope Range as follows :
   (Voltage ; 50mV / Div., Frequency ; 10m Sec.)
3) Adjust the RF SUM Level by turning the Semi-Variable Resistor (VR1) on the DVD Main PCB (See Fig. 2-8).
4) Adjust according the to table on the previous pages :
   ◆ 1.7V ± 0.2V

⌘ **Warning** : Do not turn the Voltage up too high, as this may damage the Laser Diode permanently.

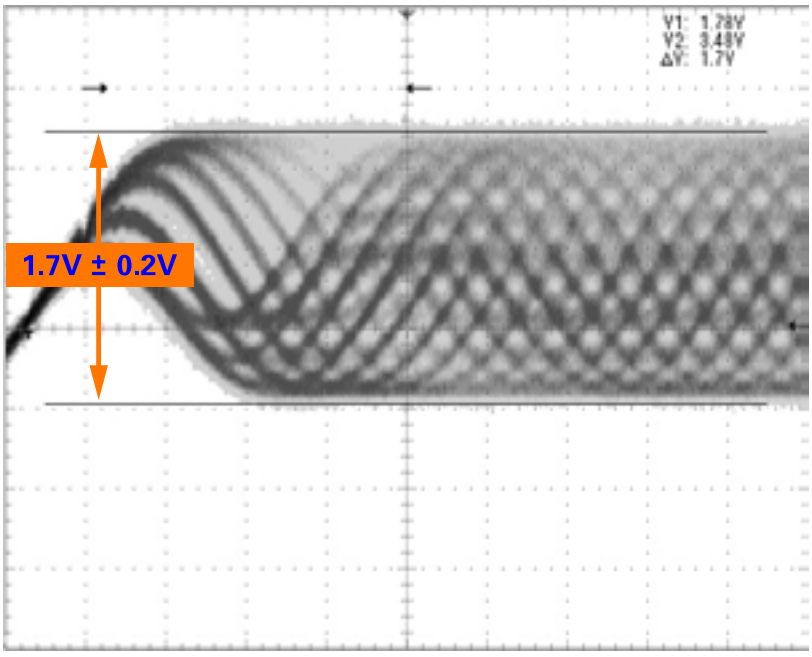


Fig. 2-9 RF SUM Level Wavefrom

2-3 VCR Mechanical Adjustment

2-3-1 Tape Transport System and Adjustment Locations

The tape transport system has been adjusted precisely in the factory. Alignment is not necessary except for the following :
1) Noise observed on the screen.
2) Tape damage.
3) Parts replacement in the tape transport system.

Lower flange height of tape guide is used as the reference for the transport adjustment.
To maintain the height of the tape guide and prevent damage, do not apply excessive force onto the main base.

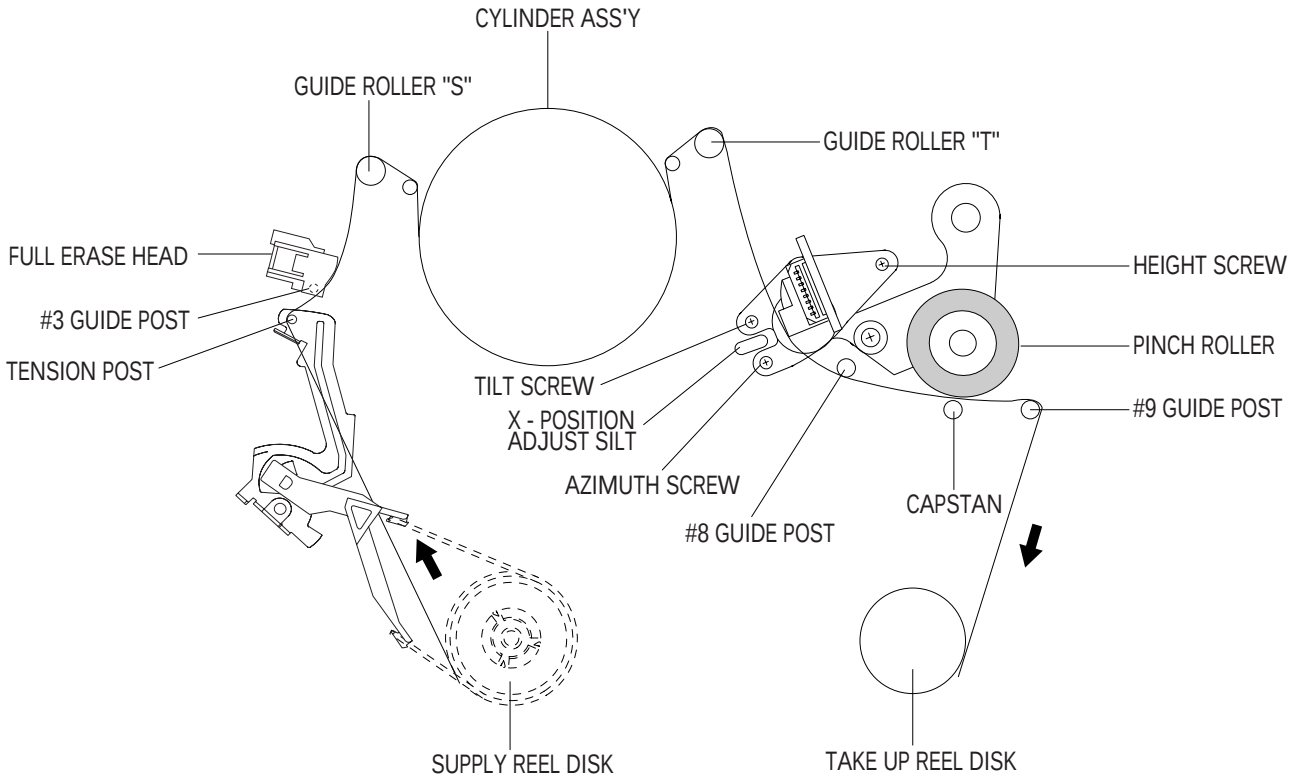


Fig. 2-10 Location of Tape Transport Adjustment

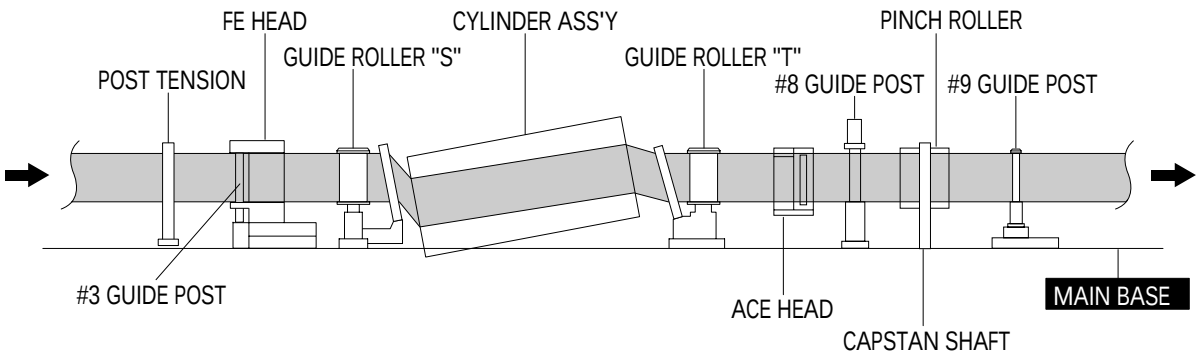


Fig. 2-11 Tape Travel Diagram

2-3-2 Tape Transport System Adjustment

When parts are replaced, perform the required adjustments by referring to procedures for the tape transport system. If there are any changes to the tape path, first run a T-120 tape and make sure excessive tape wrinkle does not occur at the tape guides.

◆ If tape wrinkle is observed at the guide roller S, T, turn the guide roller S, T until wrinkle disappears.
◆ If the tape wrinkle is still observed at the tape guide, perform the tilt adjustment of the ACE head.

(1) ACE Head Assembly Adjustment

a. ACE HEAD HEIGHT ADJUSTMENT

1) Run the alignment tape (Color bar) in the playback mode.
2) Observe surface of the audio head using a dental mirror.
3) Turn screw (C) clockwise or counterclockwise until the gap of lower tape edge and the lower edge of the control head is about 0.25mm. (Refer to Fig. 2-12 and 2-13)

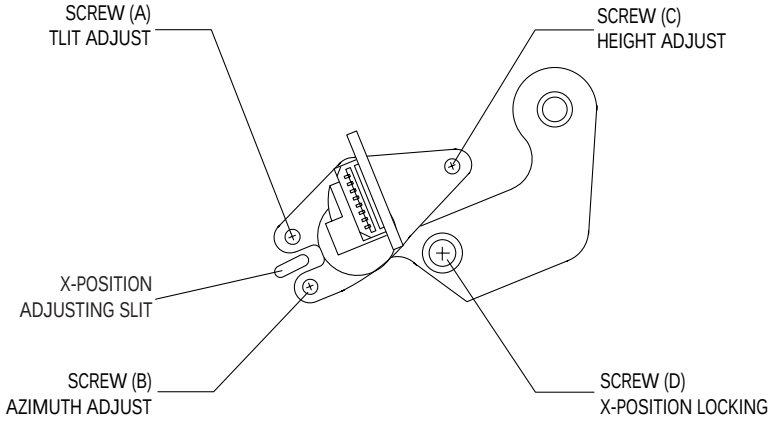


Fig. 2-12 Location of ACE Head Adjustment Screw

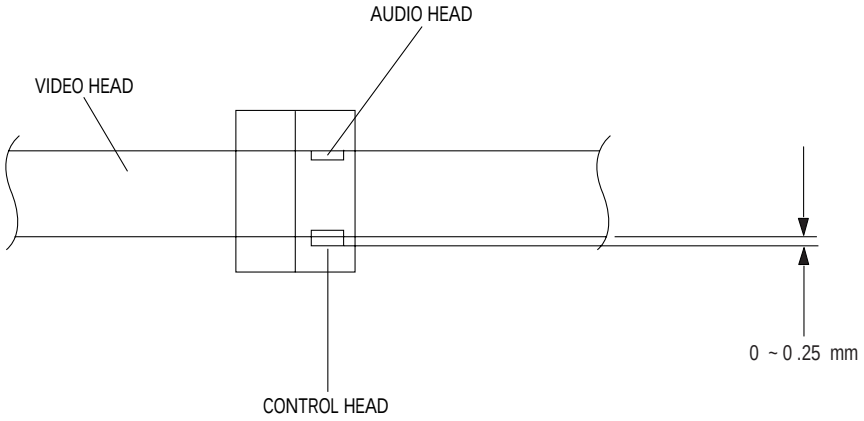


Fig. 2-13 ACE Head Height Adjustment

b. ACE HEAD TILT ADJUSTMENT

1) Playback a blank tape and observe the position of the tape at the lower flange of tape guide.
2) Confirm that there is no curl or wrinkle at the lower flange of tape guide as shown in Fig. 2-14 (B).
3) If a curl or wrinkle of the tape occurs, slightly turn the screw (A) tilt adjust on the ACE head ass'y.
4) Reconfirm the ACE head height.

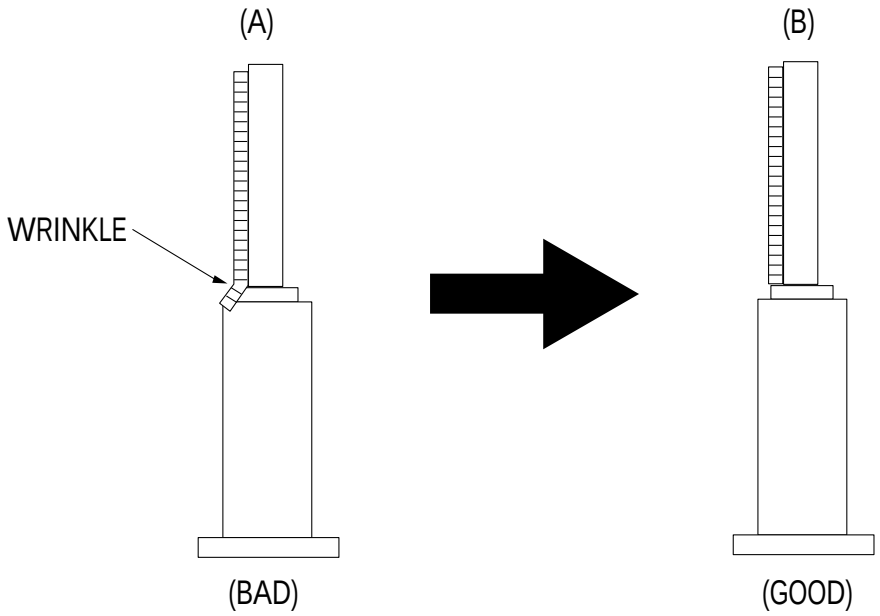


Fig. 2-14 Tape Guide Check

c. AUDIO AZIMUTH ADJUSTMENT

1) Load alignment tape (Mono scope) and playback the 7KHz signal.
2) Connect channel-1 scope probe to audio output.
3) Adjust screw (B) to achieve maximum audio level. (See Fig. 2-12)

d. ACE HEAD POSITION (X-POINT) ADJUSTMENT

1) Playback the alignment tape (Color bar).
2) Press the “SW718(TEST)” button on Function-Timer PCB to set the adjustment mode. (See Fig. 2-2)
3) Press the “0, 5” remote control buttons, then adjustment is operates automatically. (See Fig. 2-1)
4) Connect the CH-1 probe to “Envelope” the CH-2 probe to “H’D switching pulse” and then trigger to CH-1.
5) Insert the (-) driver into the X-Point adjustment hole and adjust it so that envelope waveform is maximum.

Test point :	TP2 (Audio Output)
	TP3 (Envelope)
	TP4 (H’D S/W -Trigger)
	TP5 (Control Pulse)

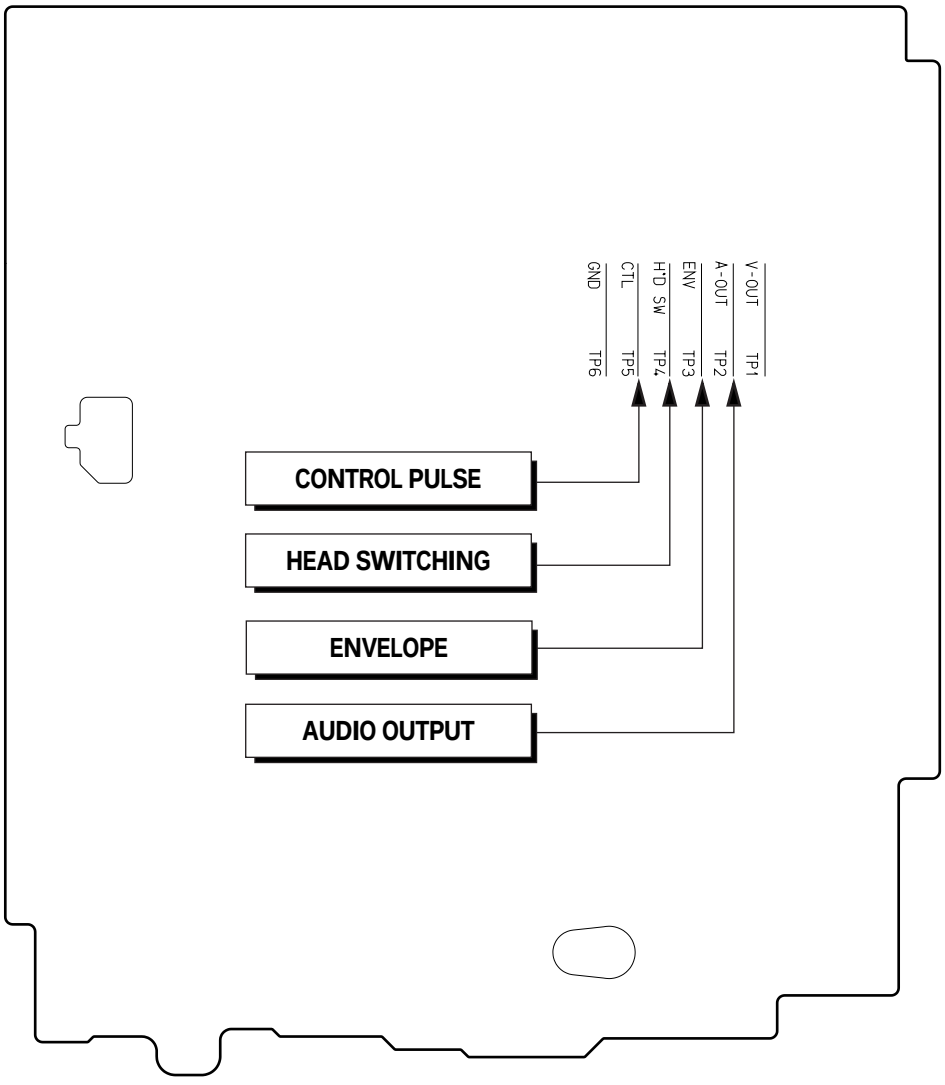


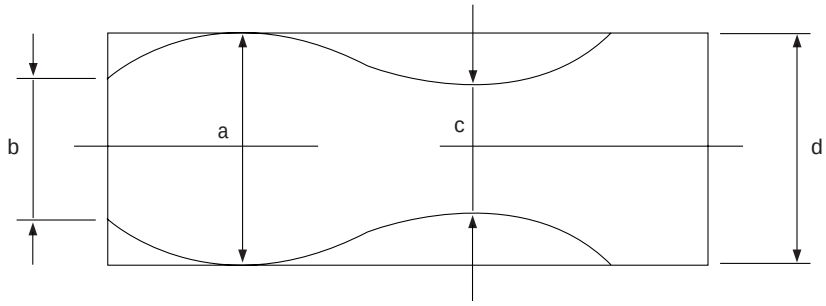
Fig. 2-15 Location of Test point (VCR Main PCB-Top View)

(2) Linearity adjustment (Guide roller S, T adjustment)

1) Playback the Mono Scope alignment tape (SP mode).
2) Observe the video envelope signal on an oscilloscope (triggered by the video switching pulse).
3) Make sure the video envelope waveform (at its minimum) meets the specification shown in Fig. 2-16.
   If it does not, adjust as follows :

Note :
a=Maximum output of the video RF envelope.
b=Minimum output of the video RF envelope at the entrance side.
c=Minimum output of the video RF envelope at the center point.
d=Maximum output of the video RF envelope at the exit side.

4) If the section A in Fig. 2-17 does not meet the specification, adjust the guide roller S up or down.
5) If the section B in Fig. 2-17 does not meet the specification, adjust the guide roller T up or down.



a b c d

c,b,d/a ≧ 63%

Fig. 2-16 Envelope Waveform Adjustment

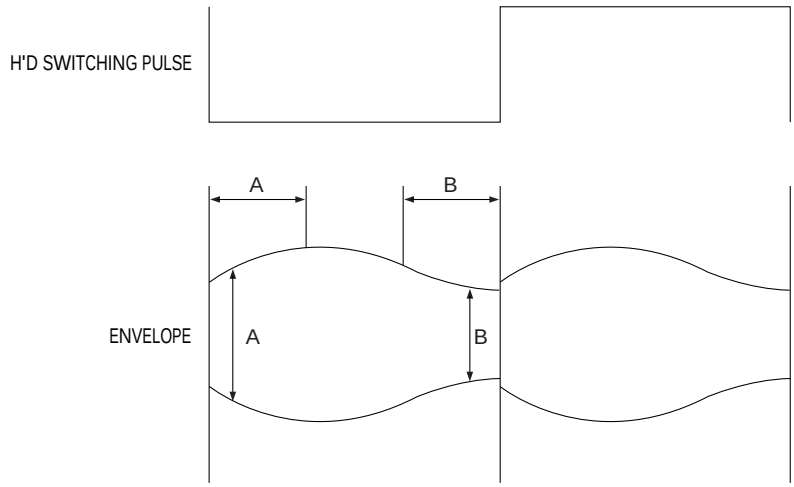


Fig. 2-17 Adjustment Points

6) Play back the Mono Scope alignment tape (SP mode).
7) Connect an oscilloscope CH-1 to the “Envelope” and CH-2 to the “H’D SW Pulse” for triggering.
8) Turn the guide roller heads with a flat head ( ) driver to obtain a flat video RF envelope as shown in Fig. 2-18.

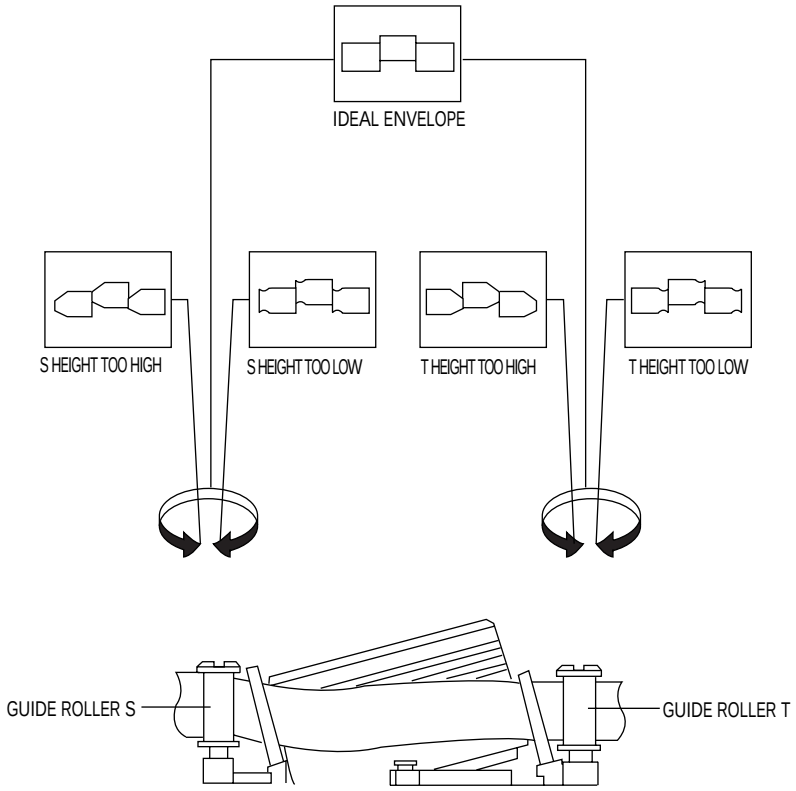


Fig. 2-18 Guide Roller S, T Height Adjustment

(3) Check Transitional Operation from RPS to Play

Check transition from RPS mode to play mode : Using a pre-recorded SP tape, make sure the entry side of envelope comes to an appropriate steady state within 3 seconds (as shown in Fig. 2-19).
If the envelope waveform does not reach specified peak-to peak amplitude within 3 seconds, adjust as follows :

1) Make sure there is no gap between the supply roller lower flange and the tape.
   If there is a gap, adjust the supply guide roller again.
2) Change operation mode from the RPS to the play mode (again) and make sure the entry side of envelope rises within 3 second.

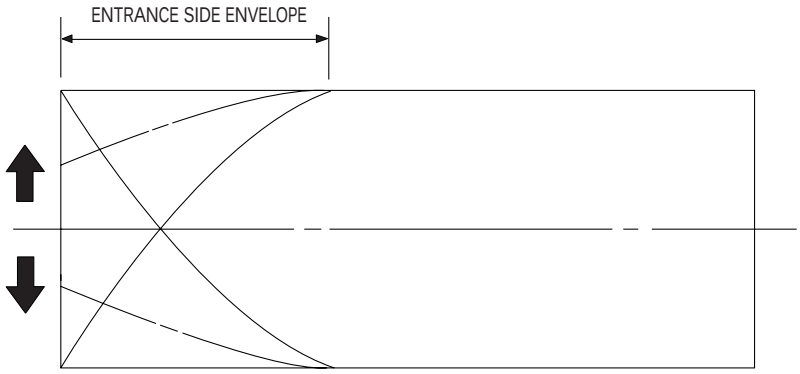


Fig. 2-19 Video Envelope Rising when Operation mode Changes from RPS to Play Mode

(4) Envelope Check

1) Make recordings on T-120 (E-120) and T-160 (E-180) tape.
   Make sure the playback output envelope meets the specification as shown in Fig. 2-20.
2) Play back a self recorded tape (recording made on the unit using with T-120 (E-120).
   The video envelope should meet the specification as shown in Fig. 2-20.
   In SP mode, (A) should equal (B).
   If the head gap is wide, upper cylinder should be checked.

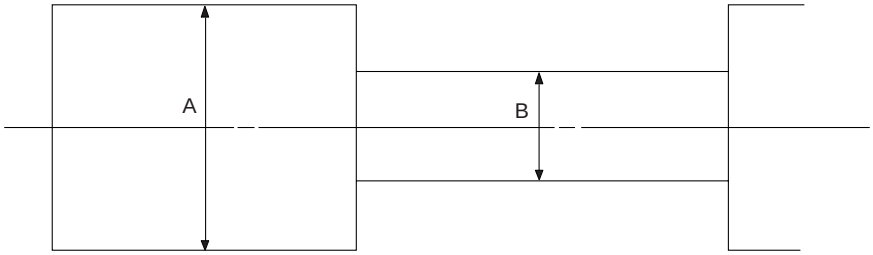


Fig. 2-20 Envelope Input and Output Level

(5) Tape Wrinkle Check

1) Run the T-160 (E-180) tape in the playback, FPS, RPS and Pause modes and observe tape wrinkle at each guide.
2) If excessive tape wrinkle is observed, perform the following adjustments in Playback mode :

- ◆ Tape wrinkle at the guide roller S, T section : Linearity adjustment.
- ◆ Tape wrinkle at tape guide flange : ACE head assembly coarse adjustment.

2-3-3 Reel Torque

1) The rotation of the capstan motor causes the holder clutch ass'y to rotate through the belt pulley.
2) The spring wrap PLAY/REV of holder clutch ass'y drives the disk reel S, T through gear idler by rotation of gear center ass'y.
3) Brake is operated by slider cam at FF/REW mode.
4) Transportation of accurate driving force is done by gears. (Gear Center Ass'y)

Note : If the spec. does not meet the followings specifications, replace the holder clutch ass'y and then recheck.

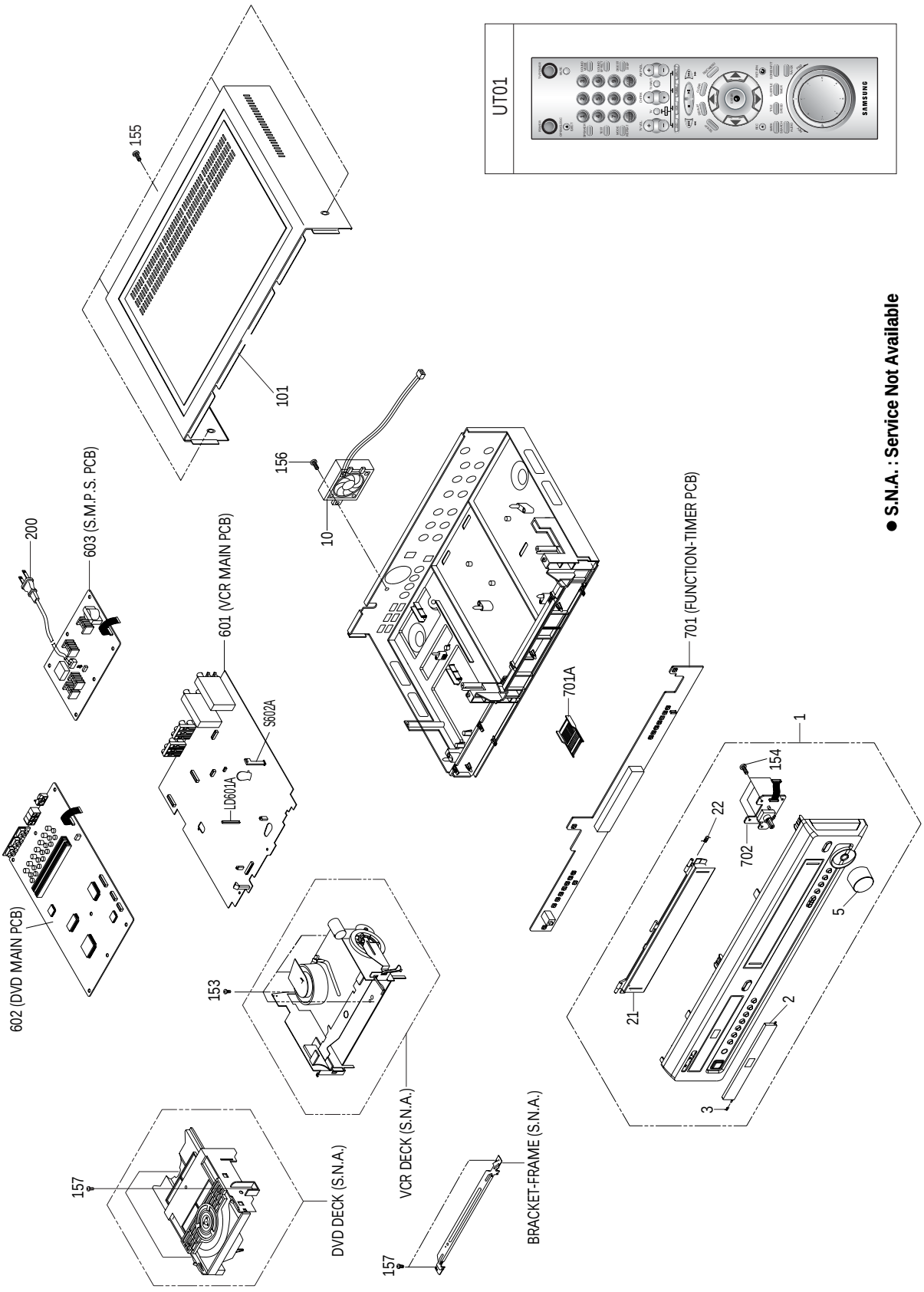
<Table 2-4>

MODE	TORQUE g/cm	GAUGE
PB	42 ± 11	Cassette Torquemeter
RPS	145 ± 30	Cassette Torquemeter

3. Exploded View and Parts List

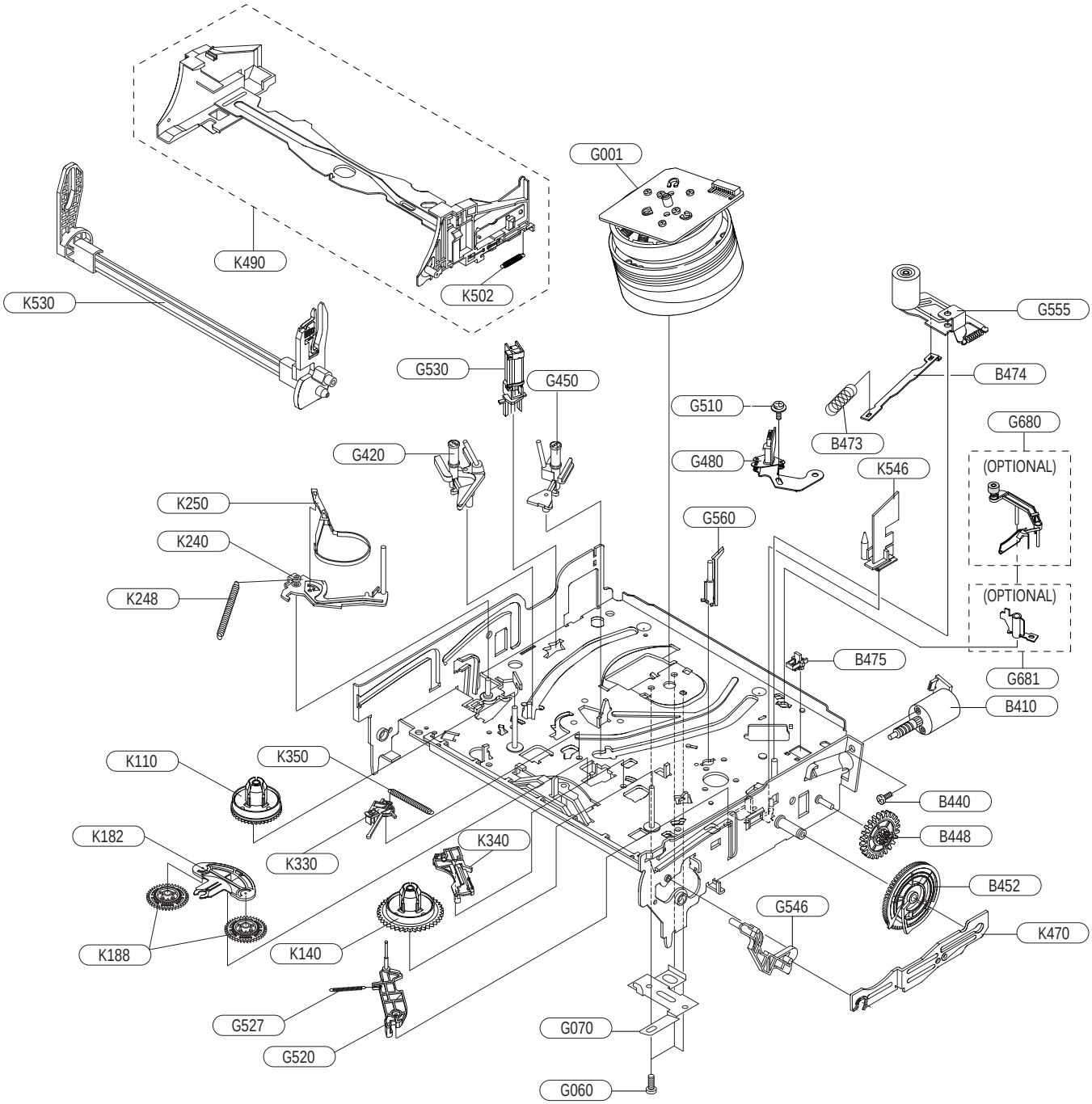
**3-1 Cabinet Assembly - - -

3-1 Cabinet Assembly



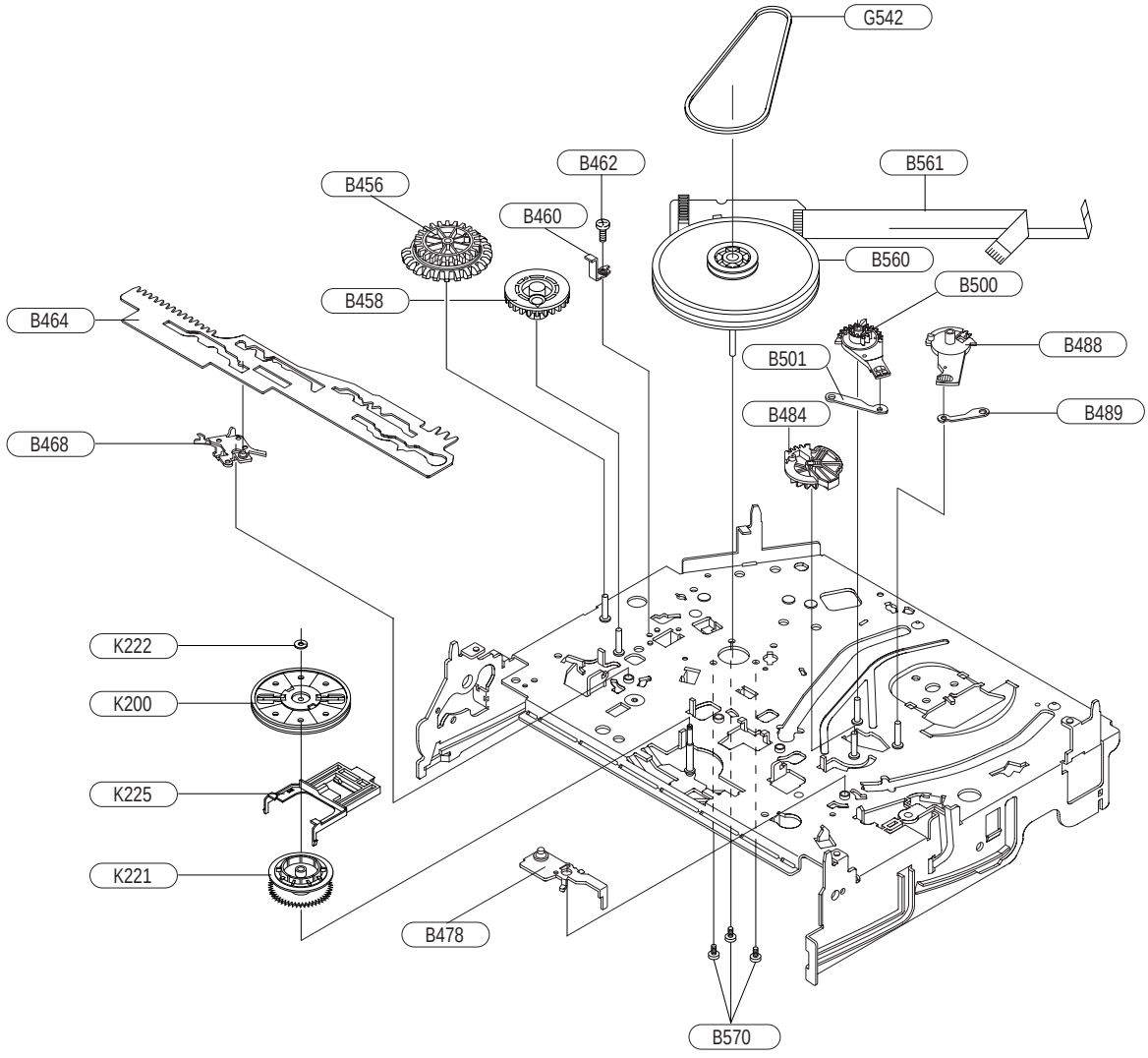
Loc. No	Parts No.	Description ; Specification	Remark
1	AK97-00257K	ASSY-PANEL FRONT;HIPS V2,DVD-CM420/XAA,-	
2	AK64-00139B	DOOR-TRAY;DVD-CM350,ABS 94HB,-,-,-,-,-,-	
3	AC61-00267A	SPRING ETC-DOOR TRAY;DVD-V5000K,SUS304,-	
5	AK64-00080A	KNOB-VOLUME B;DVD-CM350,ABS 94HB ,-,-,-	
10	3103-001124	FAN-DC;12V,70MA,4000RPM,0.1M^3/MI,2.3	
21	AK64-00138K	DOOR-CASSETTE;DVD-CM420/XAA,HIPS V2,-,-	
22	AC61-62032A	SPRING ETC-MASK;SV-C130,SUS,4.4,-,-,-,-	
101	AK64-00067B	CABINET-TOP;DVD-CM350/XAA,PCM,0.525,430,	
153	AC60-12126A	SCREW-BH;-,-,FE,FZY,BH,-,-,4*12,-,-	
154	6003-000276	SCREW-TAPTITE;BH,+,B,M3,L10,ZPC(YEL),SWC	
155	6003-000275	SCREW-TAPTITE;BH,+,B,M3,L10,BLK ,SWCH101	
156	6003-001076	SCREW-TAPTITE;BH,+,S,M3,L6,ZPC(BLK),SWRC	
157	AC60-10063A	SCREW-TAPTITE;-,-,L12,ZPC3,+,-,M3,-,SWRC	
200	AC39-10200N	CBF POWER CORD;EP2,SPT-2,AWG#18,1.8MT,WA	
601	AC92-01413A	ASSY PCB-MAIN;THEATER2,COMBO	
602	AK92-00172A	ASSY PCB-DVD AMP;CHT-420/XAA,DVD,MAIN	
603	AC92-01325A	ASSY OPT PCB-SMPS;DVD-CM350/XAA,SMPS	
701	AC94-00195A	ASSY PCB-F/TIMER;THEATER2,COMBO	
702	AK92-00190A	ASSY OPT PCB-VOLUME;SV-DVD6000,VOLUME	
701A	3711-005008	CONNECTOR-HEADER;NOWALL,20P,1R,1.5MM,STR	
LD601A	AC61-21009A	HOLDER-LED;X-9,POM(M90-44),-,-,-,BLK,-	
S602A	AC61-00229A	HOLDER-SENSOR;SCORPIO2,POM,-,-,-,BLACK,-	
UT01	AK59-00015A	REMOCON-ASSY;Combo Theater(1.5),SEC,-,-	

3-2 VCR Mechanical Parts (Top Side)



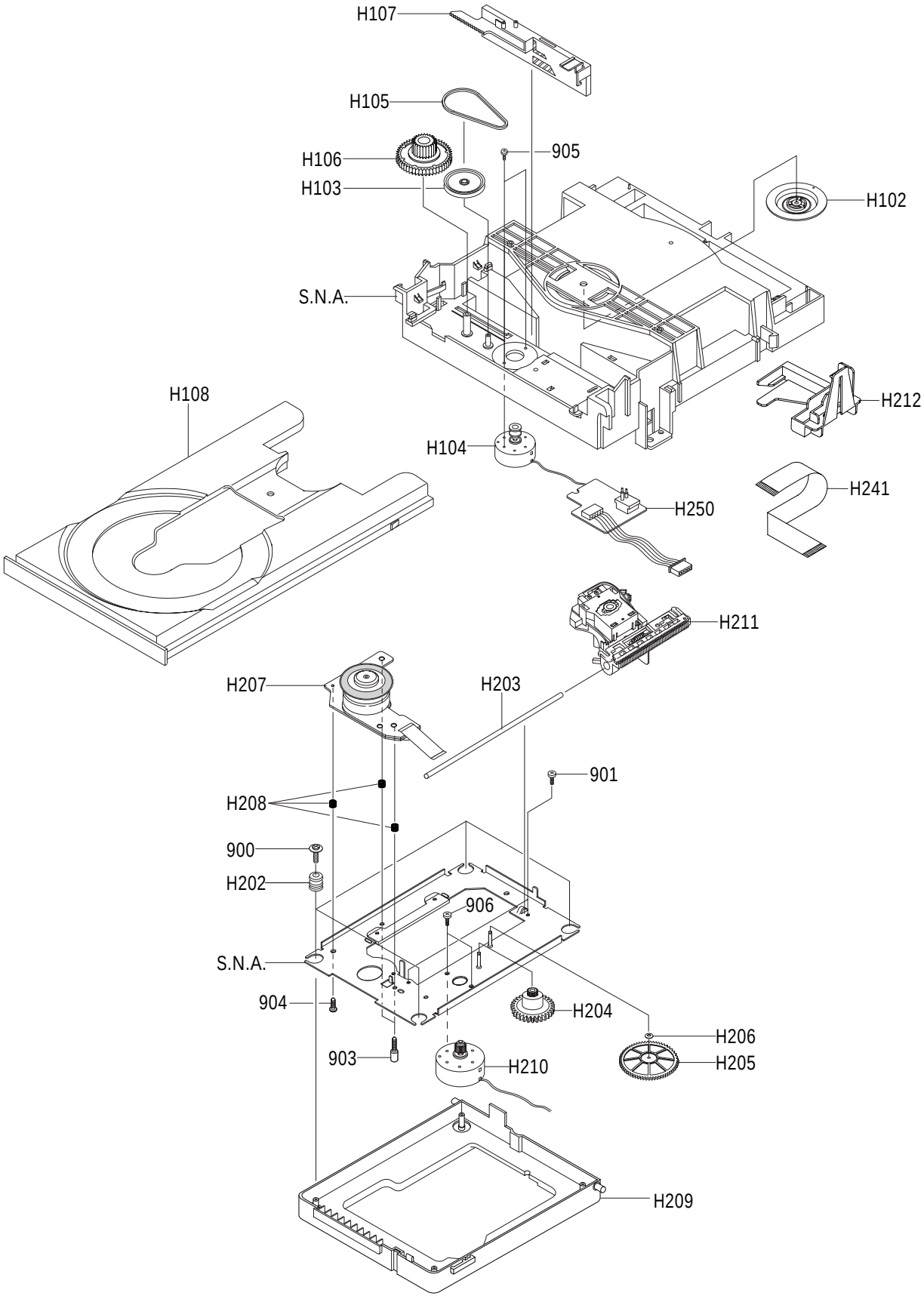
Loc. No	Parts No.	Description ; Specification	Remark
B410	AC31-00018A	MOTOR-LOADING ASSY;-,SCORPIO2(TS-10A),-,	
B440	AC60-10515A	SCREW-MACHINE;-,-,M3,L3,PH,+,-,-,ZPC,-	
B448	AC66-00008A	GEAR-WORM WHEEL;TS-10,POM,0.8,40,-,NAT,3	
B452	AC66-00011A	GEAR-FL CAM;TS-10,POM,0.8,59,-,BLK,48.48	
B473	AC61-00105A	SPRING ETC-PINCH DRIVE;TS-10,SUS304-WPB,	
B474	AC61-30180A	PLATE-JOINT;X-9,SECC20/20,T0.8,-,-,-,-	
B475	AC47-00003A	DAMPER-CAPSTAN;SCORPIO2,POM, NATUAL,-,-	
G001	AC97-02008A	ASSY-CYLINDER;NTSC,CTS9-DS(KHAN),6NAJ	
G060	6006-001092	SCREW-ASS'Y MACH;WS,PH,+,M3.0,L6.0,ZPC(Y	
G070	AC61-00161A	PLATE-GROUND DECK;TS-10,SPTE,T0.3,-,-,-	
G420	AC66-80142A	SLIDER-SUPPLY ASSY;X-9,X-9(TS),-,-,-,-,-	
G450	AC66-80141A	SLIDER-TAKE UP ASSY;X-9,X-9(TS),-,-,-,-,	
G480	AC97-01655A	ASSY-HEAD ACE;-,SCORPIO2(TS-10A),HVMXA11	
G510	AC60-10518A	SCREW-TAP TITE;-,-,M2.6,L5.6,PH,+,SW+ZW,	
G520	AC66-00033A	LEVER-#9 GUIDE ASS'Y;TS-10,-,-,-,-,-,-,-	
G527	AC61-60553A	SPRING ETC-GUIDE 9;X-9,SUS304-WPB,0.25,-	
G530	AC33-00007A	HEAD-FE;-,-,HVFHPOO43A,-,-	
G546	AC66-00005A	LEVER-FL DOOR;TS-10,POM,-,-,-,-,NAT,-	
G555	AC66-00032A	LEVER-UNIT PINCH ASS'Y;TS-10,-,-,-,-,-,-	
G560	AC61-00122A	POST-#8 GUIDE ASS'Y;TS-10,POM+SUS 303	
G680	AC66-00046A	LEVER-HEAD CLEANER ASS'Y;TS-10,POM+URETH	(OPTIONAL)
G681	AC61-50686A	SLEEVE-HEAD CLEANER;-,POM,-,-,-,-,-,-,TS	(OPTIONAL)
K110	AC66-10267A	REEL-DISK S;X-9,POM,-,-,-,-,-,-	
K140	AC66-10268A	REEL-DISK T;X-9,POM,-,-,-,-,-,-	
K182	AC66-30524A	LEVER-IDLER;-,POM,-,-,-,-,-,-	
K188	AC66-00039A	GEAR-IDLE;TS-10,PET K3372,0.5,-,-,NTR,28	
K240	AC66-00035A	LEVER-TENSION ASS'Y;TS-10,SECC E20/20+SU	
K248	AC61-00107A	SPRING ETC-TENSION LEVER;TS-10,SUS304-WP	
K250	AC69-00104A	BAND-BRAKE ASS'Y;TS-10,-,-,-,-,-,-	
K330	AC66-30550A	LEVER-S.BRAKE ASSY;-,POM+SUS,-,-,-,X-9	
K340	AC66-30549A	LEVER-T.BRAKE ASSY;-,POM+SUS,-,-,-,X-9	
K350	AC61-00106A	SPRING ETC-BRAKE;TS-10,SUS304-WPB,-,-,-,	
K470	AC66-00020A	SLIDER-FL DRIVE;TS-10,SECC E20/20,1.0,-,	
K490	AC61-00120A	HOLDER-FL CASS. ASS'Y;TS-10,-,-,-,-,-,-	
K502	AC61-60561A	SPRING ETC-FL.LEVER-LR;X-9,SUS304 WPB,OD	
K530	AC66-00034A	LEVER-FL ARM ASS'Y;TS-10,-,-,-,-,-,-,-	
K546	AC61-50658A	GUIDE-CASS. DOOR;X-9,POM,-,-,-,NTR	

3-3 VCR Mechanical Parts (Bottom Side)



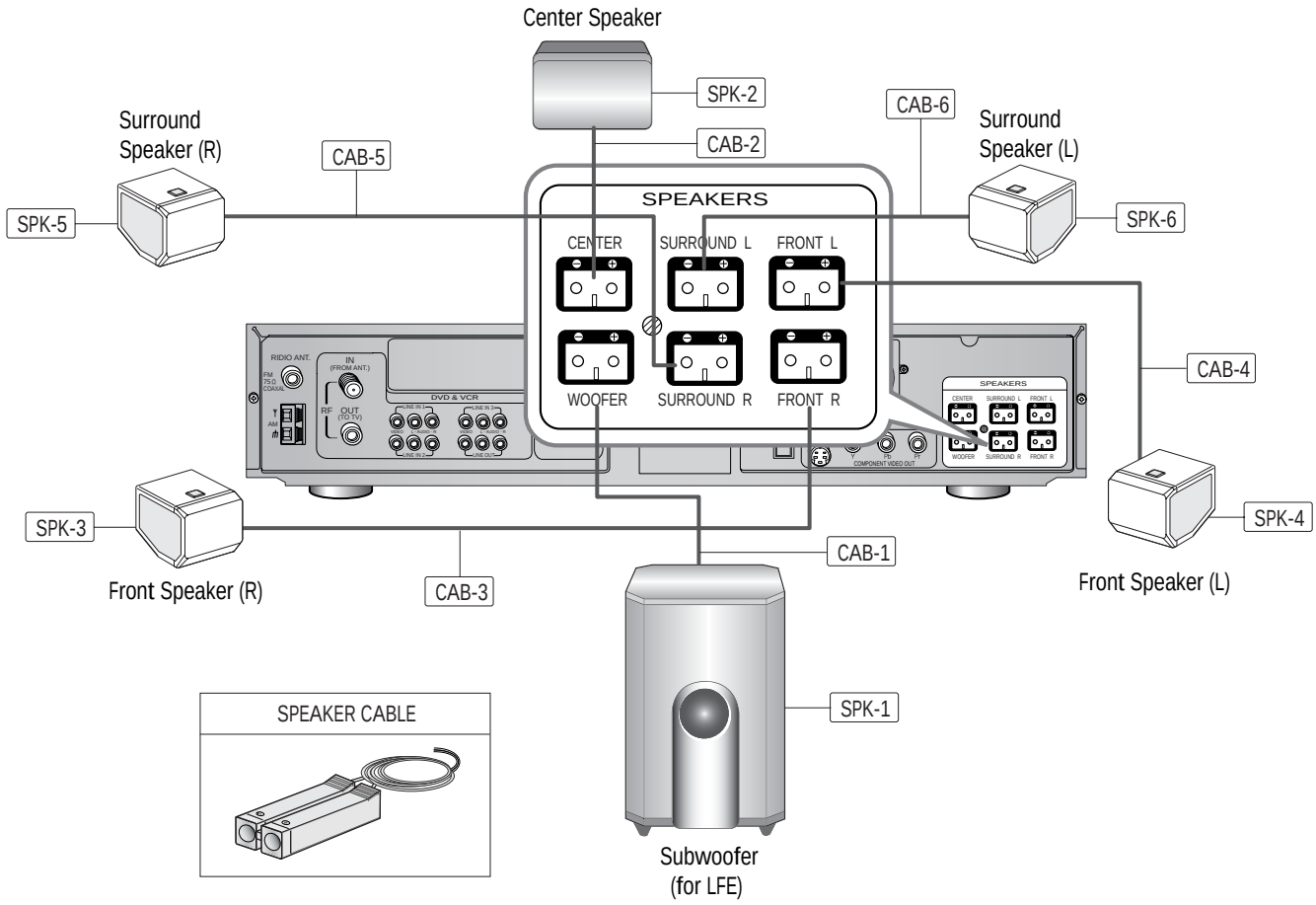
Loc. No	Parts No.	Description ; Specification	Remark
B456	AC66-00009A	GEAR-JOINT 1;TS-10,POM,1.5,17.5(22),-,NA	
B458	AC66-00012A	GEAR-JOINT 2;TS-10,POM,1.0,23,-,BLK,24.6	
B460	AC61-00090A	BRACKET-GEAR;TS-10,SECC E20/20,0.8,-,-,-	
B462	AC60-10517A	SCREW-TAP TITE;-,-,M2.6,L5,PH,+,-,-,ZPC,	
B464	AC66-00019A	SLIDER-CAM;TS-10,SECC E20/20,1.2,-,-,-,-	
B468	AC66-00017A	LEVER-PINCH DRIVE;TS-10,SECC E20/20,1.0	
B478	AC66-00016A	LEVER-TENSION DRIVE;TS-10,SECC E20/20,1	
B484	AC66-00030A	GEAR-LOADING DR. ASS'Y;TS-10,POM+SWPB,-,	
B488	AC66-00023A	LEVER-S LOADING;TS-10,POM,-,-,-,-,NAT,-	
B489	AC66-00021A	LINK-LOADING S;TS-10,SECC E20/20,0.8,-,-	
B500	AC66-00024A	LEVER-T LOADING;TS-10,POM,-,-,-,-,NAT,-	
B501	AC66-00022A	LINK-LOADING T;TS-10,SECC E20/20,0.8,-,-	
B560	AC31-00016A	MOTOR-CAPSTAN;F2QVB05,SCORPIO2(TS-10A),-	
B561	3809-001270	CABLE-FLAT;30V,80C,140MM,10P,1.25MM,UL28	
B570	AC60-10514A	SCREW-CAPSTAN;-,-,M2.6,L6,PH,+,-,-,-,-	
G542	AC66-60051A	BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9	
K200	AC61-21012A	HOLDER-CLUTCH ASSY;X-9,-,-,-,-,-,-	
K221	AC66-20581A	GEAR-CENTER ASSY;-,POM,M=O.5,-,HIGHT T.,	
K222	AC60-30306A	FASTENER-WASHER SLIT;-,-,ID2.1,OD5.0,T0.	
K225	AC66-00006A	LEVER-UP DOWN;TS-10,POM,-,-,-,-,NAT,-	

3-4 DVD Mechanical Parts



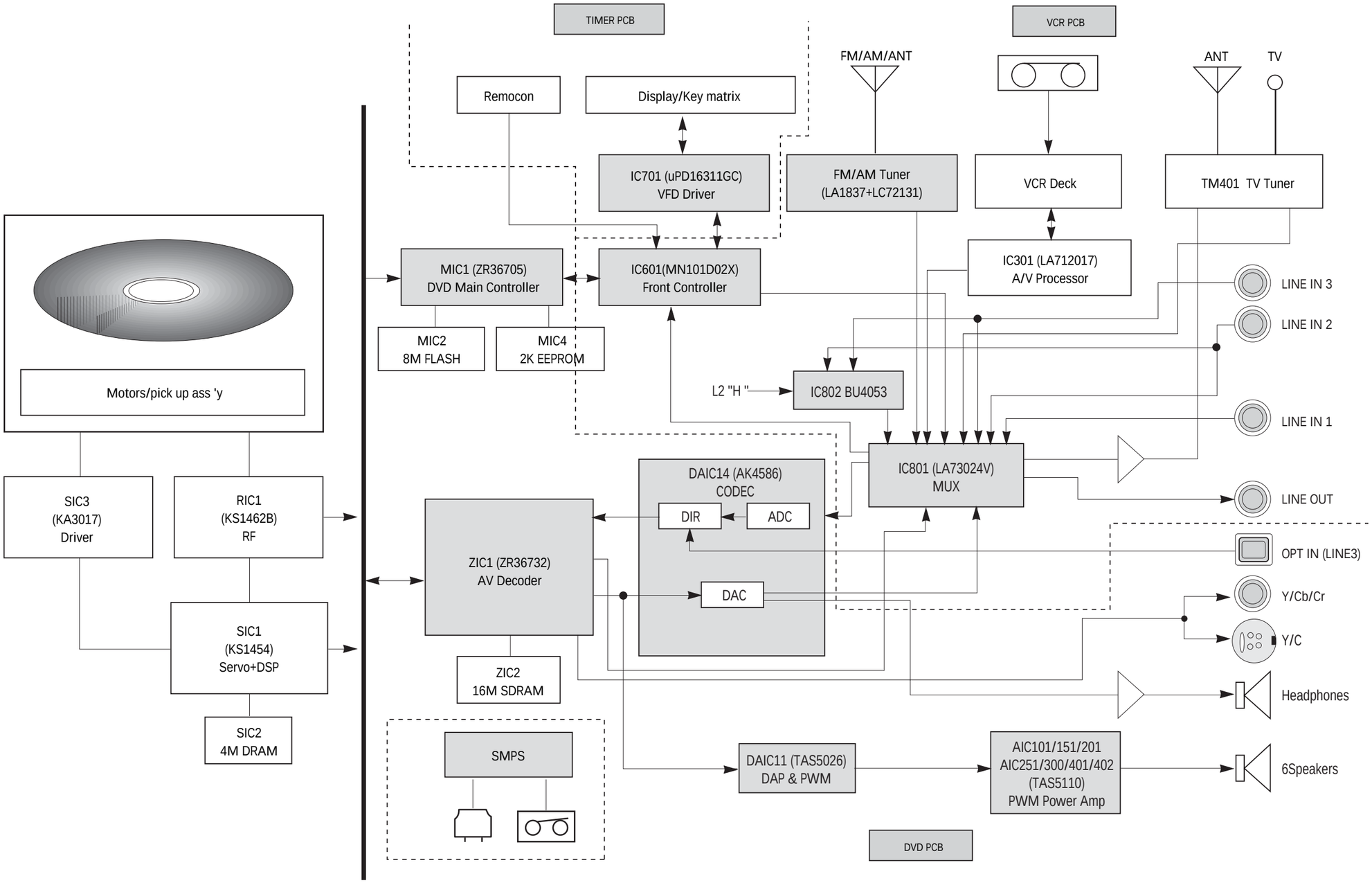
Loc. No	Parts No.	Description ; Specification	Remark
900	6003-001157	SCREW-TAPTITE;PWH,+,B,M2,L6,ZPC(YEL),SWR	
901	6001-001522	SCREW-MACHINE;FH,+,M2.6,L7,ZPC(YEL),SWRC	
903	6009-001245	SCREW-SPECIAL;SWRCH18A,NYLOCK,SOCKET,HEX	
904	6001-001466	SCREW-MACHINE;BH,+,M2,L6,ZPC(BLK),SWRCH1	
905	6001-001257	SCREW-MACHINE;PWH,+,M1.7,L3,ZPC(YEL),SWR	
906	AH60-00010A	SCREW-MACHINE-MOTOR;-,+,SWCH18AK,M1.7,L2	
H102	AH66-00111B	CLAMPER-ASSY;DP-5,POM+MAGNET,-,-,-,-,-,-	
H103	AH66-00123A	PULLEY-GEAR;DP-7,POM M90-44,-,-,-,-,-,-	
H104	AH31-00024A	MOTOR-LOAD ASSY;SM-2412L2,DP-7,-,-,-,-,-	
H105	6602-001076	BELT-RECTANGULAR;CR,T1.2,4.3%,1.2X25.1,B	
H106	AH66-00124A	GEAR-TRAY;DP-7,POM,M90-44,-,-,-,-,-,-,-	
H107	AH66-00125A	SLIDER-HOUSING;DP-7,POM,-,-,-,-,-	
H108	AH63-00422A	TRAY-DISC;-,ABS,-,-,-,-,BLK,DP-7S	
H202	AH73-00023A	RUBBER-INSULATOR;BUTYL RUBBER,-,DP-3,¡¯?	
H203	AH61-50327A	SHAFT-P/U;DP-3,SUS420J2,L84.7,OD3,-,-,-	
H204	AH66-00075A	GEAR-FEED A;-,POM M90-44,-,-,-,-,-,-,-,-	
H205	AH66-00170A	GEAR-FEED B;DP-7S,POM M90-44,0.5,14,-,-,	
H206	AC60-30306A	FASTENER-WASHER SLIT;-,-,ID2.1,OD5.0,T0.	
H207	AH31-00032A	MOTOR SPINDLE;RSM-2610F1,DP-7S,-,-,-,12V	
H208	AH61-00403A	SPRING ETC-SPINDLE;DP-5,SWPB,PI4.9,-,-,-	
H209	AH61-00513A	CHASSIS-SUB;DP-7,ABS(SR-0320),-,-,-,-,-,	
H210	AH31-00016A	MOTOR-FEED ASSY;-,DP-5,-,-	
H211	AH97-00900X	ASSY-PICK UP;-,SOH-DS2A,ASSY-PICK-UP	
H212	AH61-00891A	HOLDER-FFC;DP-7S,PP,1,-,-,NTR,-	
H241	3809-001303	CABLE-FLAT;30V,80C,230MM,24P,1MM,UL2896	
H250	AH92-00900A	ASSY-HOUSING PCB;DVD-M101,MILLENO DECK(B	

3-5 Speakers System



Loc. No	Parts No.	Description ; Specification	Remark
CAB-1	AK82-00289A	A/S MATERIAL ASSY-C-VIOLET;CHT-350/XAA,S	
CAB-2	AK82-00286A	A/S MATERIAL ASSY-C-GREEN;CHT-350/XAA,SE	
CAB-3	AK82-00285A	A/S MATERIAL ASSY-C-RED;CHT-350/XAA,SEA,	
CAB-5	AK82-00284A	A/S MATERIAL ASSY-CABLE;CHT-350/XAA,SEA,	
CAB-4	AK82-00288A	A/S MATERIAL ASSY-C-GRAY;CHT-350/XAA,SEA	
CAB-6	AK82-00287A	A/S MATERIAL ASSY-C-WHITE;CHT-350/XAA,SE	
SPK-1	AK82-00290A	A/S MATERIAL ASSY-S-WOOFER;SP-350,SEA,SU	
SPK-2	AK82-00291A	A/S MATERIAL ASSY-C-CENTER;SP-350,SEA,CE	
SPK-3	AK82-00292A	A/S MATERIAL ASSY-S-FRONT R;SP-350,SEA,F	
SPK-4	AK82-00293A	A/S MATERIAL ASSY-S-FRONT L;SP-350,SEA,F	
SPK-5	AK82-00294A	A/S MATERIAL ASSY-S-SURR R;SP-350,SEA,SU	
SPK-6	AK82-00295A	A/S MATERIAL ASSY-S-SURR L;SP-350,SEA,SU	

5. Block Diagram



MEMO

4. Electrical Parts List

Loc.No	Part No	Description ; Specification	Remark
601	**AC92-01413A**	**ASSY PCB-MAIN;THEATER2,COMBO**	
POWER DRIVE PARTS			
C1P101	2401-001730	C-AL;10uF,20%,50V,GP,TP,5x11,2.5	
C1P102	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C1P103	2401-001730	C-AL;10uF,20%,50V,GP,TP,5x11,2.5	
C1P104	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C1P105	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C1P106	2401-001730	C-AL;10uF,20%,50V,GP,TP,5x11,2.5	
C1P107	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C1P108	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C1P110	2401-001730	C-AL;10uF,20%,50V,GP,TP,5x11,2.5	
C1P111	2401-003046	C-AL;47uF,20%,50V,WT,TP,6.3x11,2.5	
C1P112	2401-002075	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C1P113	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C1P114	2401-003046	C-AL;47uF,20%,50V,WT,TP,6.3x11,2.5	
C1P115	2401-003046	C-AL;47uF,20%,50V,WT,TP,6.3x11,2.5	
C1P116	2401-001915	C-AL;1uF,20%,50V,GP,TP,3x5,5	
C1P117	2401-001730	C-AL;10uF,20%,50V,GP,TP,5x11,2.5	
C1P119	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C1P120	2401-001730	C-AL;10uF,20%,50V,GP,TP,5x11,2.5	
C1P121	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
CN01	3711-000683	CONNECTOR-HEADER;BOX,13P,1R,2mm,STRAIGHT	
CN02	3708-000270	CONNECTOR-FPC/FFC/PIC;33P,1.25mm,STRAIGH	
CN022B	3809-001316	CABLE-FLAT;30V,80C,80MM,33P,1.25MM,UL289	
D1P101	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D1P102	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D1P103	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D1P104	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D1P105	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D1P107	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D1P108	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D1P109	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D1P110	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D1P111	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D1P112	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
L1P101	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
Q1P101	0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L	
Q1P102	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K/4.7K,T	
Q1P103	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q1P104	0502-000416	TR-POWER;2SD1273P,NPN,2W,TO-220F,BK,800	
Q1P105	0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L	
Q1P106	0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L	
Q1P107	0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L	
Q1P108	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K/4.7K,T	
Q1P109	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q1P110	0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L	
Q1P111	0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L	
Q1P112	0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L	
Q1P113	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q1P114	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K/4.7K,T	
R1P101	2001-000855	R-CARBON;560OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R1P102	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R1P103	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R1P104	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1P105	2001-000405	R-CARBON;180OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R1P108	2001-000062	R-CARBON;470OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R1P109	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R1P110	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1P111	2001-000855	R-CARBON;560OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R1P114	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R1P115	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1P116	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R1P117	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
ZD1P01	0403-000390	DIODE-ZENER;UZP33B,33V,31.4-34.6V,1W,DO-	
ZD1P02	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
ZD1P03	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
ZD1P04	0403-000717	DIODE-ZENER;MTZJ5.1B,5.1V,4.94-5.2V,500m	
ZD1P05	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
ZD1P06	0403-000717	DIODE-ZENER;MTZJ5.1B,5.1V,4.94-5.2V,500m	
ZD1P08	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
LOGIC PARTS			
C602	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C603	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C604	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C605	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5	
C606	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C607	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C608	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C609	2203-000609	C-CERAMIC,CHIP;22nF,10%,50V,X7R,TP,2012	
C610	2203-000966	C-CERAMIC,CHIP;47nF,+80-20%,50V,Y5V,TP,2	
C611	2203-000361	C-CERAMIC,CHIP;0.15NF,5%,50V,C0G,TP,2012	
C613	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C614	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C615	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C616	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C617	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C618	2203-000429	C-CERAMIC,CHIP;0.018NF,5%,50V,C0G,TP,201	
C619	2203-000429	C-CERAMIC,CHIP;0.018NF,5%,50V,C0G,TP,201	
C622	2203-000476	C-CERAMIC,CHIP;1000nF,+80-20%,16V,Y5V,TP	
C623	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
C624	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C625	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C626	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C627	2203-001245	C-CERAMIC,CHIP;0.082nF,5%,50V,NP0,TP,201	
C628	2401-001169	C-AL;33uF,20%,16V,GP,-,6.3x7,2.5mm	
C629	2203-001579	C-CERAMIC,CHIP;15nF,10%,50V,NP0,TP,2012	
C630	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C631	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C632	2203-001077	C-CERAMIC,CHIP;0.056nF,5%,50V,NP0,TP,201	
C633	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
C634	2203-001077	C-CERAMIC,CHIP;0.056nF,5%,50V,NP0,TP,201	
C635	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C636	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C643	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C644	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C651	2202-000205	C-CERAMIC,MLC-AXIAL;22pF,5%,50V,SL,TP,1.	
C657	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C661	2401-000199	C-AL;1000uF,20%,6.3V,GP,TP,10x12.5,	
C663	2202-000205	C-CERAMIC,MLC-AXIAL;22pF,5%,50V,SL,TP,1.	
C664	2202-000205	C-CERAMIC,MLC-AXIAL;22pF,5%,50V,SL,TP,1.	
C665	2202-000205	C-CERAMIC,MLC-AXIAL;22pF,5%,50V,SL,TP,1.	
CN604	3711-004833	CONNECTOR-HEADER;BOX,12P,2R,2MM,STRAIGHT	
CN701	3710-001146	CONNECTOR-SOCKET;20P,1R,1.5mm,ANGLE,SN	
D601	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D603	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D604	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D605	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D606	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
IC603	1103-001149	IC-EEPROM;524C80D41,4KBit,DIP,8P,300MIL,	
IC6B1	AC14-12006C	IC;KA7533,DIP,-	

Loc.No	Part No	Description ; Specification	Remark
L601	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,	
L602	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
LD601	0601-000517	LED-IR;RECTANGULA,4x6.0mm,75mW,6V,950	
PT601	0604-001206	PHOTO-INTERRUPTER;TR,-,150mW,CY5894102,B	
PT602	0604-001206	PHOTO-INTERRUPTER;TR,-,150mW,CY5894102,B	
Q601	0504-000119	TR-DIGITAL;KSR1004,NPN,300MW,47K/47K,TO-	
R601	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R602	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R603	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R604	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R605	2001-000111	R-CARBON;150OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R607	2007-000738	R-CHIP;30KOHM,5%,1/10W,DA,TP,2012	
R609	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R613	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R614	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R615	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
R616	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R617	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
R618	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R619	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R621	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R622	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R623	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R624	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R630	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R631	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R632	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R634	2007-000068	R-CHIP;470KOHM,5%,1/10W,DA,TP,2012	
R635	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R638	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R639	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R641	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R643	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R644	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R645	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R646	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
R647	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R648	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R649	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R650	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R651	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R652	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R653	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R654	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R656	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R660	2007-001124	R-CHIP;68KOHM,1%,1/10W,DA,TP,2012	
R661	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R662	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R664	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R665	2001-000458	R-CARBON;2.2OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R666	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R667	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R668	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R669	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R671	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R673	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R674	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R676	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R677	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R681	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R682	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R690	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R691	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R692	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
S602	0603-001011	PHOTO TR;NPN,35V,6V,50mA,75mW,BK	
SW602	AC34-20100B	SWITCH-REC;-,-,X-9,-	
SW603	AC34-20100A	SWITCH-MODE;-,-,X-9,-	
XT601	2801-001384	CRYSTAL-UNIT;14.31818MHz,30ppm,28-AAA,16	
A/V PARTS			
C301	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C302	2203-001721	C-CERAMIC,CHIP;360pF,5%,50V,NPO,TP,2012,	
C303	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C304	2203-000408	C-CERAMIC,CHIP;0.18NF,5%,50V,C0G,TP,2012	
C305	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C306	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C307	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C308	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
C310	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C312	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C313	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
C314	2203-000476	C-CERAMIC,CHIP;1000nF,+80-20%,16V,Y5V,TP	
C315	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C316	2401-001915	C-AL;1uF,20%,50V,GP,TP,3x5,5	
C317	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C318	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C319	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C320	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C321	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C322	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C323	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C324	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C325	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C326	2203-000609	C-CERAMIC,CHIP;22nF,10%,50V,X7R,TP,2012	
C327	2401-001915	C-AL;1uF,20%,50V,GP,TP,3x5,5	
C328	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C329	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C330	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C331	2203-000966	C-CERAMIC,CHIP;47nF,+80-20%,50V,Y5V,TP,2	
C332	2203-000966	C-CERAMIC,CHIP;47nF,+80-20%,50V,Y5V,TP,2	
C333	2203-000966	C-CERAMIC,CHIP;47nF,+80-20%,50V,Y5V,TP,2	
C334	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C335	2203-000239	C-CERAMIC,CHIP;0.1NF,5%,50V,C0G,TP,2012	
C336	2203-001579	C-CERAMIC,CHIP;15nF,10%,50V,NP0,TP,2012	
C358	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C359	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C360	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C371	2203-001077	C-CERAMIC,CHIP;0.056nF,5%,50V,NP0,TP,201	
C372	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C3A01	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C3A02	2401-000918	C-AL;22uF,20%,16V,GP,-,6.3x7,5	
C3A03	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C3A04	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C3A05	2401-002069	C-AL;33uF,20%,16V,GP,TP,6.3x5,5	
C3A06	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C3A07	2203-000417	C-CERAMIC,CHIP;18nF,10%,50V,X7R,TP,2012,	
C3A08	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C3A09	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
C3A10	2401-001250	C-AL;4.7uF,20%,35V,GP,TP,4x5,5	
C3A11	2301-000174	C-FILM,PEF;15nF,5%,100V,TP,7.2x4.0x7.5mm	
C3A12	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C3A14	2203-000938	C-CERAMIC,CHIP;0.47NF,5%,50V,C0G,TP,2012	
C3A15	2203-001665	C-CERAMIC,CHIP;0.56nF,10%,50V,X7R,TP,201	
C3A16	2203-000495	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,2012	
C3A17	2401-001250	C-AL;4.7uF,20%,35V,GP,TP,4x5,5	
C3A18	2203-001214	C-CERAMIC,CHIP;8.2nF,10%,50V,X7R,TP,2012	
C3A19	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C3A20	2301-001014	C-FILM,PEF;6.8nF,5%,50V,TP,7x3x6,5mm	
C3A21	2301-000110	C-FILM,PEF;1.8nF,5%,100V,TP,7x3.0x6.5mm,	
CN301	3708-000391	CONNECTOR-FPC/FFC/PIC;10P,1.25mm,STRAIGH	
CN3A01	3708-001165	CONNECTOR-FPC/FFC/PIC;6P,1.25mm,STRAIGHT	
CN3A02	3710-001648	CONNECTOR-SOCKET;2P,1R,2.5mm,STRAIGHT,SN	

Loc.No	Part No	Description ; Specification	Remark
CN3A1B	3809-001206	CABLE-FLAT;30V,-20to+80C,140mm,6P,1.25mm	
IC301	1204-001952	IC-VIDEO PROCESS;LA71207,QFP,80P,14X14MM	
L301	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L302	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L303	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L304	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L305	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L3A01	2702-000120	INDUCTOR-RADIAL;15mH,5%,6.2x7.4mm	
L3A02	2701-000113	INDUCTOR-AXIAL;100uH,5%,2.5x3.4mm	
L3A03	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L3A04	2702-000166	INDUCTOR-RADIAL;47uH,5%,6x6.4mm	
Q302	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q303	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q304	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q305	0504-000119	TR-DIGITAL;KSR1004,NPN,300MW,47K/47K,TO-	
Q3A02	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q3A03	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400mW,T0-9	
Q3A04	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400mW,T0-9	
Q3A05	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400mW,T0-9	
Q3A06	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
R301	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
R302	2007-001055	R-CHIP;6.2KOHM,5%,1/10W,DA,TP,2012	
R303	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R304	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R305	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R308	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
R309	2007-000532	R-CHIP;200KOHM,5%,1/10W,DA,TP,2012	
R310	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R311	2007-001113	R-CHIP;680KOHM,5%,1/10W,DA,TP,2012	
R312	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
R313	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R314	2007-000241	R-CHIP;1.5KOHM,5%,1/10W,DA,TP,2012	
R315	2007-001177	R-CHIP;8.2KOHM,5%,1/10W,DA,TP,2012	
R316	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R317	2001-000411	R-CARBON;18KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R318	2001-000411	R-CARBON;18KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R319	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R320	2007-000241	R-CHIP;1.5KOHM,5%,1/10W,DA,TP,2012	
R321	2001-000812	R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R322	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R343	2007-001001	R-CHIP;510OHM,5%,1/10W,DA,TP,2012	
R344	2007-001001	R-CHIP;510OHM,5%,1/10W,DA,TP,2012	
R346	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R348	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R349	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A01	2001-000723	R-CARBON;4.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A02	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
R3A03	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R3A04	2007-001224	R-CHIP;9.1KOHM,5%,1/10W,DA,TP,2012	
R3A05	2007-000757	R-CHIP;330KOHM,5%,1/10W,DA,TP,2012	
R3A06	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R3A07	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R3A08	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R3A09	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A11	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R3A12	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R3A13	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R3A14	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A16	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R3A17	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A18	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A24	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A50	2001-000800	R-CARBON;5.1KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A51	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
W304	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
XT301	2801-003610	CRYSTAL-UNIT;3.579545MHz,8ppm,28-AAA,S,1	

Loc.No	Part No	Description ; Specification	Remark
TM PARTS			
C401	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C402	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C403	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C404	2401-003046	C-AL;47uF,20%,50V,WT,TP,6.3x11,2.5	
C405	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C406	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C407	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C408	2401-001479	C-AL;470uF,20%,10V,GP,TP,-,-	
R401	2001-000995	R-CARBON;820OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R402	2001-000995	R-CARBON;820OHM,5%,1/8W,AA,TP,1.8X3.2MM	
TM401	AC40-00019A	TM BLOCK;TMZH2008A,NTSC-M,181CH,-,25DB,	
HI-FI PARTS			
C501	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C502	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C503	2401-001254	C-AL;4.7uF,20%,35V,GP,TP,4x7,5	
C504	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C505	2401-001254	C-AL;4.7uF,20%,35V,GP,TP,4x7,5	
C506	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C507	2401-001169	C-AL;33uF,20%,16V,GP,-,6.3x7,2.5mm	
C508	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C509	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C510	2301-000224	C-FILM,PEF;22nF,5%,50V,TP,7.4x3.9x13mm,5	
C511	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C512	2203-000126	C-CERAMIC,CHIP;1.2nF,10%,50V,X7R,TP,2012	
C513	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C514	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C515	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C516	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C517	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C518	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C519	2401-001931	C-AL;220nF,20%,50V,-,TP,4x7mm,5	
C520	2301-000224	C-FILM,PEF;22nF,5%,50V,TP,7.4x3.9x13mm,5	
C521	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C522	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C523	2401-001169	C-AL;33uF,20%,16V,GP,-,6.3x7,2.5mm	
C526	2401-001254	C-AL;4.7uF,20%,35V,GP,TP,4x7,5	
C527	2401-001931	C-AL;220nF,20%,50V,-,TP,4x7mm,5	
C528	2401-001020	C-AL;3.3UF,20%,50V,GP,TP,4X7,5	
C529	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C530	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C531	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C532	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C533	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C534	2203-000609	C-CERAMIC,CHIP;22nF,10%,50V,X7R,TP,2012	
C535	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
C536	2401-001919	C-AL;2.2uF,20%,50V,-,TP,4x7mm,5	
C537	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C538	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C540	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C541	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C542	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C543	2301-000224	C-FILM,PEF;22nF,5%,50V,TP,7.4x3.9x13mm,5	
C544	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
D503	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
IC501	1204-001754	IC-SIGNAL PROCESSOR;AN3663FBP,QFP,64P,-,	
L501	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L502	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,	
L503	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L504	2701-000126	INDUCTOR-AXIAL;150uH,5%,2.4x3.4mm	
R501	2007-001141	R-CHIP;7.5KOHM,5%,1/10W,DA,TP,2012	
R503	2007-001141	R-CHIP;7.5KOHM,5%,1/10W,DA,TP,2012	
R506	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R507	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	

Loc.No	Part No	Description ; Specification	Remark
R510	2001-000005	R-CARBON;390ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R512	2001-000005	R-CARBON;390ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R514	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R515	2001-000878	R-CARBON;6.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R516	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R517	2001-000679	R-CARBON;36KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R518	2007-001224	R-CHIP;9.1KOHM,5%,1/10W,DA,TP,2012	
R519	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R520	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R521	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R522	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R525	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
AM/FM RECEIVER PARTS			
AM/FM-	AC40-00021A	TUNER;H-0200,SV-DVD700A,-,-,-,-,75OH	
C871	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C872	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
L802	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L871	2702-000108	INDUCTOR-RADIAL;100uH,5%,6x6.4mm	
R871	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R872	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R873	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R874	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R875	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R876	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
INPUT-OUTPUT PARTS			
C901	2203-000476	C-CERAMIC,CHIP;1000nF,+80-20%,16V,Y5V,TP	
C902	2203-000476	C-CERAMIC,CHIP;1000nF,+80-20%,16V,Y5V,TP	
C904	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C905	2203-000476	C-CERAMIC,CHIP;1000nF,+80-20%,16V,Y5V,TP	
C906	2203-000476	C-CERAMIC,CHIP;1000nF,+80-20%,16V,Y5V,TP	
C907	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C908	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C909	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C910	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C911	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C912	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C913	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C914	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C915	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C916	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C917	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C918	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C919	2401-001730	C-AL;10uF,20%,50V,GP,TP,5x11,2.5	
C920	2401-001730	C-AL;10uF,20%,50V,GP,TP,5x11,2.5	
C921	2401-001730	C-AL;10uF,20%,50V,GP,TP,5x11,2.5	
C922	2401-001730	C-AL;10uF,20%,50V,GP,TP,5x11,2.5	
C923	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
C924	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C925	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C928	2203-000784	C-CERAMIC,CHIP;0.33NF,5%,50V,C0G,TP,2012	
C929	2203-000716	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012	
C930	2401-001479	C-AL;470uF,20%,10V,GP,TP,-,-	
C931	2203-000716	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012	
C932	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C940	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C990	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C991	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
D903	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D904	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D905	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D906	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D907	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D908	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D909	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	

Loc.No	Part No	Description ; Specification	Remark
D910	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D911	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D912	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D913	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
FR10	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
FR11	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
FR12	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
FR13	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
FR14	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
FR24	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
FR26	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
IC801	1204-001763	IC-AUDIO PROCESSOR;LA73024V,SSOP,44P,154	
JK801	3722-002033	JACK-PIN;9P/9C,NI,RED/WHT/YELx2,ANGLE	
L901	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L904	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
Q901	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q990	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q991	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
R901	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R902	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R904	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R905	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R906	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R907	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R908	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R909	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R910	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R911	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R912	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R913	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R914	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R916	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R917	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R918	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R919	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R920	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R921	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R922	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R950	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R981	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R982	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
R983	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R984	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R992	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R993	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
ZD905	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
ZD906	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
ZD907	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
ZD908	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
ZD909	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
ZD910	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
ZD911	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
ZD912	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
ZD913	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	

Loc.No	Part No	Description ; Specification	Remark
602	**AK92-00172A**	**ASSY PCB-DVD AMP;CHT-420/XAA,DVD,MAIN**	
AC14	2203-001607	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,1608	
AC21	2203-000315	C-CERAMIC,CHIP;0.12NF,5%,50V,C0G,TP,1608	
AC22	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
AC23	2203-000125	C-CERAMIC,CHIP;1.2nF,10%,50V,X7R,TP,1608	
AC24	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
AC25	2203-000315	C-CERAMIC,CHIP;0.12NF,5%,50V,C0G,TP,1608	
AC26	2203-000125	C-CERAMIC,CHIP;1.2nF,10%,50V,X7R,TP,1608	
AC27	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
AC9	2203-001607	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,1608	
AD1	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	
AD2	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	
AD4	0401-000008	DIODE-SWITCHING;DAN217,80V,100mA,SOT-23,	
AD5	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	
AE11	2401-000918	C-AL;22uF,20%,16V,GP,-,6.3x7,5	
AE12	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
AE13	2401-000918	C-AL;22uF,20%,16V,GP,-,6.3x7,5	
AE14	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
AE15	2401-000438	C-AL;10uF,20%,25V,GP,-,5x11,2mm	
AE16	2401-000303	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
AE21	2401-000303	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
AE3	2401-000918	C-AL;22uF,20%,16V,GP,-,6.3x7,5	
AE5	2401-000918	C-AL;22uF,20%,16V,GP,-,6.3x7,5	
AIC101	1201-001909	IC-AUDIO AMP;TAS5110,TSSOP,32P,11X6.2MM,	
AIC151	1201-001909	IC-AUDIO AMP;TAS5110,TSSOP,32P,11X6.2MM,	
AIC201	1201-001909	IC-AUDIO AMP;TAS5110,TSSOP,32P,11X6.2MM,	
AIC251	1201-001909	IC-AUDIO AMP;TAS5110,TSSOP,32P,11X6.2MM,	
AIC300	1201-001909	IC-AUDIO AMP;TAS5110,TSSOP,32P,11X6.2MM,	
AIC4	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
AIC401	1201-001909	IC-AUDIO AMP;TAS5110,TSSOP,32P,11X6.2MM,	
AIC402	1201-001909	IC-AUDIO AMP;TAS5110,TSSOP,32P,11X6.2MM,	
AQ3	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
AQ6	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
AQ7	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP	
AQ8	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT	
AQ9	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
AR101	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
AR14	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
AR15	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
AR151	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
AR16	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
AR17	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
AR28	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
AR29	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
AR30	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
AR31	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
AR41	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	
AR42	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
AR43	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
AR44	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
AR45	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
AR46	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	
AR47	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
AR48	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
AR49	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
AR50	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
AR51	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
AR53	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
AR54	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
AR55	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
AR60	2007-001135	R-CHIP;68OHM,5%,1/8W,DA,TP,3216	
CN101	3708-000270	CONNECTOR-FPC/FFC/PIC;33P,1.25mm,STRAIGH	
CON102	AC39-00081A	CBF HARNESS;-,24AWG,-,10P,80,-,-,-,MOLEX	
DAC10	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
DAC101	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
DAC102	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
DAC103	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DAC104	2203-000888	C-CERAMIC,CHIP;4.7nF,10%,50V,X7R,TP,1608	
DAC105	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
DAC107	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DAC109	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DAC11	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DAC111	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DAC112	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
DAC113	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DAC114	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
DAC115	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
DAC116	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
DAC117	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DAC12	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DAC13	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DAC14	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
DAC15	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
DAC16	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
DAC17	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DAC18	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
DAC19	2401-001225	C-AL;4.7uF,20%,16V,GP,TP,3x5,5	
DAC2	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
DAC20	2401-001225	C-AL;4.7uF,20%,16V,GP,TP,3x5,5	
DAC21	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
DAC22	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
DAC24	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
DAC25	2401-001479	C-AL;470uF,20%,10V,GP,TP,-,-	
DAC26	2401-001479	C-AL;470uF,20%,10V,GP,TP,-,-	
DAC3	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DAC6	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
DAC7	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DAC8	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DAC9	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
DAD1	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	
DAD101	0407-000116	DIODE-ARRAY;DAP202K,80V,100mA,CK2-3,SOT-	
DAIC11	1204-002040	IC-MODULATOR;TAS5026CPAG,TQFP,64P,10X10M	
DAIC12	0801-002781	IC-CMOS LOGIC;SN74LV123APWR,MONO - MULTI	
DAIC13	0801-002780	IC-CMOS LOGIC;SN74LVC1G17,SCHMITT-TRIGGE	
DAIC14	1205-002191	IC-CODEC;AK4586VQ,LQFP,44P,10X10MM,PLAS	
DAIC15	1201-001686	IC-AUDIO AMP;3544,SOP,8P,173MIL,DUAL,6.0	
DAIC17	0505-001679	FET-SILICON;FDC6301N,N,25V,0.22A,5OHM,0.	
DAL2	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
DAL3	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
DAR1	2007-000502	R-CHIP;2.2OHM,5%,1/10W,DA,TP,2012	
DAR101	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
DAR102	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DAR103	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
DAR104	2007-000694	R-CHIP;3.3OHM,5%,1/10W,DA,TP,2012	
DAR105	2007-002425	R-CHIP;1OHM,5%,1/16W,DA,TP,1608	
DAR107	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DAR108	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DAR11	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DAR111	2007-000694	R-CHIP;3.3OHM,5%,1/10W,DA,TP,2012	
DAR112	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DAR113	2007-000694	R-CHIP;3.3OHM,5%,1/10W,DA,TP,2012	
DAR114	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
DAR12	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DAR13	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DAR14	2007-000458	R-CHIP;18Kohm,5%,1/16W,DA,TP,1608	
DAR18	2007-000076	R-CHIP;330ohm,5%,1/16W,DA,TP,1608	
DAR19	2007-000076	R-CHIP;330ohm,5%,1/16W,DA,TP,1608	
DAR2	2007-000881	R-CHIP;4.7OHM,5%,1/10W,DA,TP,2012	
DAR20	2007-000881	R-CHIP;4.7OHM,5%,1/10W,DA,TP,2012	
DAR21	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
DAR22	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
DAR25	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	

Loc.No	Part No	Description ; Specification	Remark
DAR26	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DAR27	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DAR28	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DAR3	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DAR4	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DAR5	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DAR6	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DAR7	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DAR8	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DAR9	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DC1	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC2	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DCN1	3708-001696	CONNECTOR-FPC/FFC/PIC;24P,1MM,STRAIGHT,S	
DCN2	3708-001695	CONNECTOR-FPC/FFC/PIC;13P,1MM,STRAIGHT,S	
DCN3	3711-001018	CONNECTOR-HEADER;BOX,5P,1R,2mm,STRAIGHT,	
DD1	0407-000116	DIODE-ARRAY;DAP202K,80V,100mA,CK2-3,SOT-	
DQ1	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
DQ2	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
DQ3	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
DR1	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR2	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR3	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
DR4	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR5	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR6	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
DR7	2007-000116	R-CHIP;120ohm,5%,1/16W,DA,TP,1608	
DR8	2007-000116	R-CHIP;120ohm,5%,1/16W,DA,TP,1608	
FC1	2203-000626	C-CERAMIC,CHIP;0.022NF,5%,50V,C0G,TP,160	
FC2	2203-000626	C-CERAMIC,CHIP;0.022NF,5%,50V,C0G,TP,160	
FC3	2203-000626	C-CERAMIC,CHIP;0.022NF,5%,50V,C0G,TP,160	
FC4	2203-000626	C-CERAMIC,CHIP;0.022NF,5%,50V,C0G,TP,160	
FC5	2203-000626	C-CERAMIC,CHIP;0.022NF,5%,50V,C0G,TP,160	
FC6	2203-000626	C-CERAMIC,CHIP;0.022NF,5%,50V,C0G,TP,160	
FR1	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
FR10	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
FR2	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
FR3	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
FR4	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
FR5	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
FR6	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
FR7	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
FR8	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
FR9	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
HEAT S	AK61-00049A	BRACKET-AMP ASSY;DVD-CM350,EGI+PC SHEET,	
HPL1	3301-001419	CORE-FERRITE BEAD;AB,220ohm,1.6x0.8x0.8m	
HPL2	3301-001419	CORE-FERRITE BEAD;AB,220ohm,1.6x0.8x0.8m	
HPL3	3301-001419	CORE-FERRITE BEAD;AB,220ohm,1.6x0.8x0.8m	
JACK1	3722-001914	JACK-PIN;3P,3.2MM,NI,BLK(GRN/BLU/RED),-	
JACK1B	AK63-00030A	GROUND-PCB;DVD-CM350,PBS,T0.2,63,24.5,-,	
MC1	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
MC10	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
MC15	2203-000626	C-CERAMIC,CHIP;0.022NF,5%,50V,C0G,TP,160	
MC16	2203-000626	C-CERAMIC,CHIP;0.022NF,5%,50V,C0G,TP,160	
MC17	2203-000626	C-CERAMIC,CHIP;0.022NF,5%,50V,C0G,TP,160	
MC18	2203-000626	C-CERAMIC,CHIP;0.022NF,5%,50V,C0G,TP,160	
MC2	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
MC3	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
MC4	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
MC5	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
MC6	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
MC7	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
MC8	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
MC9	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
MIC1	0903-001288	IC-MICROCONTROLLER;ZR36705,32BIT,QFP,100	
MIC2	1107-001369	IC-FLASH MEMORY;MBM29LV800BA-90PFTN,512K	
MIC3	0801-001072	IC-CMOS LOGIC;74ACT32,OR GATE,SOP,14P,15	
MIC4	1103-001204	IC-EEPROM;24C021,256x8Bit,SOP,8P,150MIL,	
MR1	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
MR10	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
MR11	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
MR12	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
MR13	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
MR14	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
MR16	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
MR17	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
MR18	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
MR19	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
MR2	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
MR20	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
MR24	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
MR25	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
MR26	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
MR27	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
MR28	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
MR29	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
MR3	2007-000125	R-CHIP;3.9Kohm,5%,1/16W,DA,TP,1608	
MR30	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
MR31	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
MR32	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
MR35	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
MR37	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
MR38	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
MR39	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
MR4	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
MR40	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
MR41	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
MR42	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
MR43	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
MR44	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
MR45	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
MR46	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
MR47	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
MR48	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
MR49	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
MR5	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
MR50	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
MR51	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	
MR52	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	
MR53	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	
MR56	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
MR57	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
MR58	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
MR59	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
MR6	2007-000125	R-CHIP;3.9Kohm,5%,1/16W,DA,TP,1608	
MR60	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
MR61	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
MR62	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
MR63	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
MR64	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
MR7	2007-000125	R-CHIP;3.9Kohm,5%,1/16W,DA,TP,1608	
MR8	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
MR9	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
MY1	2802-001154	RESONATOR-CERAMIC;12.5MHZ,0.5%,TP,10.0X5	
PAC101	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
PAC102	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
PACC1	2203-000236	C-CERAMIC,CHIP;0.1NF,5%,50V,C0G,TP,1608	
PACC10	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
PACC11	2301-001549	C-FILM,MPEF;390NF,5%,50V,TP,7.3X5.7X7.3M	
PACC12	2301-001549	C-FILM,MPEF;390NF,5%,50V,TP,7.3X5.7X7.3M	
PACC13	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
PACC14	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
PACC15	2401-003580	C-AL;1000uF,20%,35V,WT,TP,13x20mm,5	

Loc.No	Part No	Description ; Specification	Remark
PACC16	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
PACC17	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
PACC2	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
PACC3	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACC4	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACC5	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACC6	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACC7	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACC8	2203-005757	C-CERAMIC,CHIP;33nF,10%,200V,X7R,TP,3216	
PACC9	2203-005757	C-CERAMIC,CHIP;33nF,10%,200V,X7R,TP,3216	
PACF1	2203-000236	C-CERAMIC,CHIP;0.1NF,5%,50V,C0G,TP,1608	
PACF10	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACF11	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACF12	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACF13	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACF14	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACF15	2203-005757	C-CERAMIC,CHIP;33nF,10%,200V,X7R,TP,3216	
PACF16	2203-005757	C-CERAMIC,CHIP;33nF,10%,200V,X7R,TP,3216	
PACF17	2203-005757	C-CERAMIC,CHIP;33nF,10%,200V,X7R,TP,3216	
PACF18	2203-005757	C-CERAMIC,CHIP;33nF,10%,200V,X7R,TP,3216	
PACF19	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
PACF2	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
PACF20	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
PACF21	2301-001549	C-FILM,MPEF;390NF,5%,50V,TP,7.3X5.7X7.3M	
PACF22	2301-001549	C-FILM,MPEF;390NF,5%,50V,TP,7.3X5.7X7.3M	
PACF23	2301-001549	C-FILM,MPEF;390NF,5%,50V,TP,7.3X5.7X7.3M	
PACF24	2301-001549	C-FILM,MPEF;390NF,5%,50V,TP,7.3X5.7X7.3M	
PACF25	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
PACF26	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
PACF27	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
PACF28	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
PACF29	2401-003580	C-AL;1000uF,20%,35V,WT,TP,13x20mm,5	
PACF3	2203-000236	C-CERAMIC,CHIP;0.1NF,5%,50V,C0G,TP,1608	
PACF30	2401-003580	C-AL;1000uF,20%,35V,WT,TP,13x20mm,5	
PACF31	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
PACF32	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
PACF4	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
PACF5	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACF6	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACF7	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACF8	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACF9	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACR1	2203-000236	C-CERAMIC,CHIP;0.1NF,5%,50V,C0G,TP,1608	
PACR10	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACR11	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACR12	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACR13	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACR14	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACR15	2203-005757	C-CERAMIC,CHIP;33nF,10%,200V,X7R,TP,3216	
PACR16	2203-005757	C-CERAMIC,CHIP;33nF,10%,200V,X7R,TP,3216	
PACR17	2203-005757	C-CERAMIC,CHIP;33nF,10%,200V,X7R,TP,3216	
PACR18	2203-005757	C-CERAMIC,CHIP;33nF,10%,200V,X7R,TP,3216	
PACR19	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
PACR2	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
PACR20	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
PACR21	2301-001549	C-FILM,MPEF;390NF,5%,50V,TP,7.3X5.7X7.3M	
PACR22	2301-001549	C-FILM,MPEF;390NF,5%,50V,TP,7.3X5.7X7.3M	
PACR23	2301-001549	C-FILM,MPEF;390NF,5%,50V,TP,7.3X5.7X7.3M	
PACR24	2301-001549	C-FILM,MPEF;390NF,5%,50V,TP,7.3X5.7X7.3M	
PACR25	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
PACR26	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
PACR27	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
PACR28	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
PACR29	2401-003580	C-AL;1000uF,20%,35V,WT,TP,13x20mm,5	
PACR3	2203-000236	C-CERAMIC,CHIP;0.1NF,5%,50V,C0G,TP,1608	
PACR30	2401-003580	C-AL;1000uF,20%,35V,WT,TP,13x20mm,5	
PACR31	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
PACR32	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
PACR4	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
PACR5	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACR6	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACR7	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACR8	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACR9	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACW1	2203-000236	C-CERAMIC,CHIP;0.1NF,5%,50V,C0G,TP,1608	
PACW10	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACW11	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACW12	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACW13	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACW14	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACW15	2203-005757	C-CERAMIC,CHIP;33nF,10%,200V,X7R,TP,3216	
PACW16	2203-005757	C-CERAMIC,CHIP;33nF,10%,200V,X7R,TP,3216	
PACW17	2203-005757	C-CERAMIC,CHIP;33nF,10%,200V,X7R,TP,3216	
PACW18	2203-005757	C-CERAMIC,CHIP;33nF,10%,200V,X7R,TP,3216	
PACW19	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
PACW2	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
PACW20	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
PACW21	2301-001549	C-FILM,MPEF;390NF,5%,50V,TP,7.3X5.7X7.3M	
PACW22	2301-001549	C-FILM,MPEF;390NF,5%,50V,TP,7.3X5.7X7.3M	
PACW23	2301-001549	C-FILM,MPEF;390NF,5%,50V,TP,7.3X5.7X7.3M	
PACW24	2301-001549	C-FILM,MPEF;390NF,5%,50V,TP,7.3X5.7X7.3M	
PACW25	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
PACW26	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
PACW27	2401-003580	C-AL;1000uF,20%,35V,WT,TP,13x20mm,5	
PACW28	2401-003580	C-AL;1000uF,20%,35V,WT,TP,13x20mm,5	
PACW29	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
PACW3	2203-000236	C-CERAMIC,CHIP;0.1NF,5%,50V,C0G,TP,1608	
PACW30	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
PACW4	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
PACW5	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACW6	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACW7	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACW8	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PACW9	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
PAE101	2401-000463	C-AL;10uF,20%,35V,GP,-,5x5,2mm	
PALC3	AK27-00001A	COIL CHOKE;SBPSC-11R310-100A,SBPSC COILS	
PALC4	AK27-00001A	COIL CHOKE;SBPSC-11R310-100A,SBPSC COILS	
PALF5	AK27-00001A	COIL CHOKE;SBPSC-11R310-100A,SBPSC COILS	
PALF6	AK27-00001A	COIL CHOKE;SBPSC-11R310-100A,SBPSC COILS	
PALF7	AK27-00001A	COIL CHOKE;SBPSC-11R310-100A,SBPSC COILS	
PALF8	AK27-00001A	COIL CHOKE;SBPSC-11R310-100A,SBPSC COILS	
PALR5	AK27-00001A	COIL CHOKE;SBPSC-11R310-100A,SBPSC COILS	
PALR6	AK27-00001A	COIL CHOKE;SBPSC-11R310-100A,SBPSC COILS	
PALR7	AK27-00001A	COIL CHOKE;SBPSC-11R310-100A,SBPSC COILS	
PALR8	AK27-00001A	COIL CHOKE;SBPSC-11R310-100A,SBPSC COILS	
PALW5	AK27-00001A	COIL CHOKE;SBPSC-11R310-100A,SBPSC COILS	
PALW6	AK27-00001A	COIL CHOKE;SBPSC-11R310-100A,SBPSC COILS	
PALW7	AK27-00001A	COIL CHOKE;SBPSC-11R310-100A,SBPSC COILS	
PALW8	AK27-00001A	COIL CHOKE;SBPSC-11R310-100A,SBPSC COILS	
PAR103	2007-002425	R-CHIP;1OHM,5%,1/16W,DA,TP,1608	
PAR104	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
PARC1	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
PARC2	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
PARC3	2007-000381	R-CHIP;13Kohm,5%,1/16W,DA,TP,1608	
PARC4	2007-000381	R-CHIP;13Kohm,5%,1/16W,DA,TP,1608	
PARC5	2007-008541	R-CHIP,MELF;1.5OHM,1%,1/4W,-,TP,1.4X3.6M	
PARC6	2007-008541	R-CHIP,MELF;1.5OHM,1%,1/4W,-,TP,1.4X3.6M	
PARC7	2007-002425	R-CHIP;1OHM,5%,1/16W,DA,TP,1608	
PARC8	2007-002425	R-CHIP;1OHM,5%,1/16W,DA,TP,1608	
PARC9	2007-002425	R-CHIP;1OHM,5%,1/16W,DA,TP,1608	
PARF1	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
PARF10	2007-008541	R-CHIP,MELF;1.5OHM,1%,1/4W,-,TP,1.4X3.6M	

Loc.No	Part No	Description ; Specification	Remark
PARF11	2007-008541	R-CHIP,MELF;1.5OHM,1%,1/4W,-,TP,1.4X3.6M	
PARF12	2007-008541	R-CHIP,MELF;1.5OHM,1%,1/4W,-,TP,1.4X3.6M	
PARF13	2007-002425	R-CHIP;1OHM,5%,1/16W,DA,TP,1608	
PARF14	2007-002425	R-CHIP;1OHM,5%,1/16W,DA,TP,1608	
PARF15	2007-002425	R-CHIP;1OHM,5%,1/16W,DA,TP,1608	
PARF16	2007-002425	R-CHIP;1OHM,5%,1/16W,DA,TP,1608	
PARF17	2007-002425	R-CHIP;1OHM,5%,1/16W,DA,TP,1608	
PARF2	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
PARF3	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
PARF4	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
PARF5	2007-000381	R-CHIP;13Kohm,5%,1/16W,DA,TP,1608	
PARF6	2007-000381	R-CHIP;13Kohm,5%,1/16W,DA,TP,1608	
PARF7	2007-000381	R-CHIP;13Kohm,5%,1/16W,DA,TP,1608	
PARF8	2007-000381	R-CHIP;13Kohm,5%,1/16W,DA,TP,1608	
PARF9	2007-008541	R-CHIP,MELF;1.5OHM,1%,1/4W,-,TP,1.4X3.6M	
PARR10	2007-000381	R-CHIP;13Kohm,5%,1/16W,DA,TP,1608	
PARR11	2007-008541	R-CHIP,MELF;1.5OHM,1%,1/4W,-,TP,1.4X3.6M	
PARR12	2007-008541	R-CHIP,MELF;1.5OHM,1%,1/4W,-,TP,1.4X3.6M	
PARR13	2007-008541	R-CHIP,MELF;1.5OHM,1%,1/4W,-,TP,1.4X3.6M	
PARR14	2007-008541	R-CHIP,MELF;1.5OHM,1%,1/4W,-,TP,1.4X3.6M	
PARR15	2007-002425	R-CHIP;1OHM,5%,1/16W,DA,TP,1608	
PARR16	2007-002425	R-CHIP;1OHM,5%,1/16W,DA,TP,1608	
PARR17	2007-002425	R-CHIP;1OHM,5%,1/16W,DA,TP,1608	
PARR18	2007-002425	R-CHIP;1OHM,5%,1/16W,DA,TP,1608	
PARR19	2007-002425	R-CHIP;1OHM,5%,1/16W,DA,TP,1608	
PARR3	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
PARR4	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
PARR5	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
PARR6	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
PARR7	2007-000381	R-CHIP;13Kohm,5%,1/16W,DA,TP,1608	
PARR8	2007-000381	R-CHIP;13Kohm,5%,1/16W,DA,TP,1608	
PARR9	2007-000381	R-CHIP;13Kohm,5%,1/16W,DA,TP,1608	
PARW1	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
PARW10	2007-008541	R-CHIP,MELF;1.5OHM,1%,1/4W,-,TP,1.4X3.6M	
PARW11	2007-008541	R-CHIP,MELF;1.5OHM,1%,1/4W,-,TP,1.4X3.6M	
PARW12	2007-008541	R-CHIP,MELF;1.5OHM,1%,1/4W,-,TP,1.4X3.6M	
PARW13	2007-002425	R-CHIP;1OHM,5%,1/16W,DA,TP,1608	
PARW14	2007-002425	R-CHIP;1OHM,5%,1/16W,DA,TP,1608	
PARW15	2007-002425	R-CHIP;1OHM,5%,1/16W,DA,TP,1608	
PARW2	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
PARW3	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
PARW4	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
PARW5	2007-000381	R-CHIP;13Kohm,5%,1/16W,DA,TP,1608	
PARW6	2007-000381	R-CHIP;13Kohm,5%,1/16W,DA,TP,1608	
PARW7	2007-000381	R-CHIP;13Kohm,5%,1/16W,DA,TP,1608	
PARW8	2007-000381	R-CHIP;13Kohm,5%,1/16W,DA,TP,1608	
PARW9	2007-008541	R-CHIP,MELF;1.5OHM,1%,1/4W,-,TP,1.4X3.6M	
PC1	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
PC10	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
PC11	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
PC12	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
PC13	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
PC14	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
PC15	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
PC2	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
PC3	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
PC4	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
PC5	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
PC6	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
PC7	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
PC8	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
PC9	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
PE1	2401-000303	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
PE10	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
PE11	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
PE12	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	

Loc.No	Part No	Description ; Specification	Remark
PE2	2401-000303	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
PE3	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
PE4	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
PE5	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
PE6	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
PE7	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
PE8	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
PE9	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
PIC1	1203-002178	IC-VOLTAGE REGULATOR;1563,SOP,7P,173MIL,	
PIC2	1203-002577	IC-VOLTAGE REGULATOR;MM1561J,SOP,7P,173M	
PIC3	1203-002185	IC-VOLTAGE REGULATOR;3RD13,TO-220,4P,402	
PIC5	1203-002185	IC-VOLTAGE REGULATOR;3RD13,TO-220,4P,402	
PL1	2703-000398	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
PL2	2703-000398	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
PL3	2703-000398	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
PL7	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
PR1	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
PR4	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
PR5	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RC1	2203-000560	C-CERAMIC,CHIP;220nF,+80-20%,25V,Y5V,TP,	
RC14	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
RC15	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
RC16	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
RC17	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
RC18	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
RC19	2203-000560	C-CERAMIC,CHIP;220nF,+80-20%,25V,Y5V,TP,	
RC2	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
RC20	2203-000236	C-CERAMIC,CHIP;0.1NF,5%,50V,C0G,TP,1608	
RC21	2203-000560	C-CERAMIC,CHIP;220nF,+80-20%,25V,Y5V,TP,	
RC22	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
RC23	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
RC24	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
RC25	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RC26	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
RC27	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
RC3	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
RC30	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
RC31	2203-000236	C-CERAMIC,CHIP;0.1NF,5%,50V,C0G,TP,1608	
RC32	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
RC33	2203-005065	C-CERAMIC,CHIP;1000nF,+80-20%,10V,Y5V,TP	
RC34	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
RC35	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
RC37	2203-000236	C-CERAMIC,CHIP;0.1NF,5%,50V,C0G,TP,1608	
RC38	2203-000140	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,1608	
RC4	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
RC41	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
RC5	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
RC50	2203-001607	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,1608	
RC6	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
RC7	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
RC8	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
RC9	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RE1	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
RE10	2401-000918	C-AL;22uF,20%,16V,GP,-,6.3x7,5	
RE12	2401-000918	C-AL;22uF,20%,16V,GP,-,6.3x7,5	
RE13	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
RE14	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
RE22	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
RE29	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
RE39	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
RE40	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
RE41	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
RIC1	AH13-00009A	IC ASIC;KS1462B,DVD-M201/XAA,80,+5V,-4	
RL11	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
RL3	2703-000398	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
RQ1	0501-000279	TR-SMALL SIGNAL;KSA1182-Y,PNP,150mW,SOT-	

Loc.No	Part No	Description ; Specification	Remark
RQ2	0501-000279	TR-SMALL SIGNAL;KSA1182-Y,PNP,150mW,SOT-	
RR1	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
RR10	2007-000312	R-CHIP;10OHM,5%,1/8W,DA,TP,3216	
RR12	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RR13	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RR14	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
RR15	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RR16	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RR2	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
RR21	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
RR22	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
RR23	2007-000655	R-CHIP;27Kohm,5%,1/16W,DA,TP,1608	
RR24	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
RR26	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RR3	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
RR32	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RR33	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RR34	2007-000087	R-CHIP;6.8Kohm,5%,1/16W,DA,TP,1608	
RR36	2007-001235	R-CHIP;910Kohm,5%,1/16W,DA,TP,1608	
RR37	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
RR4	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	
RR6	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
RR7	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
RR8	2007-000312	R-CHIP;10OHM,5%,1/8W,DA,TP,3216	
RR9	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
SC10	2203-001634	C-CERAMIC,CHIP;33nF,10%,50V,X7R,TP,1608,	
SC11	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	
SC12	2203-000140	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,1608	
SC13	2203-001652	C-CERAMIC,CHIP;470nF,+80-20%,16V,Y5V,TP,	
SC14	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
SC15	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SC16	2203-002398	C-CERAMIC,CHIP;22nF,10%,50V,X7R,TP,1608	
SC17	2203-001126	C-CERAMIC,CHIP;0.68nF,10%,50V,X7R,TP,160	
SC18	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SC19	2203-002398	C-CERAMIC,CHIP;22nF,10%,50V,X7R,TP,1608	
SC2	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SC20	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SC21	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SC23	2203-000491	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1608	
SC24	2203-000491	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1608	
SC25	2203-005221	C-CERAMIC,CHIP;15nF,10%,50V,X7R,TP,1608,	
SC26	2203-005221	C-CERAMIC,CHIP;15nF,10%,50V,X7R,TP,1608,	
SC27	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
SC28	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
SC29	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
SC30	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
SC32	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
SC33	2203-000681	C-CERAMIC,CHIP;0.027NF,5%,50V,C0G,TP,160	
SC34	2203-000681	C-CERAMIC,CHIP;0.027NF,5%,50V,C0G,TP,160	
SC35	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
SC36	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
SC37	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
SC38	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
SC39	2203-000626	C-CERAMIC,CHIP;0.022NF,5%,50V,C0G,TP,160	
SC40	2203-000626	C-CERAMIC,CHIP;0.022NF,5%,50V,C0G,TP,160	
SC41	2203-000626	C-CERAMIC,CHIP;0.022NF,5%,50V,C0G,TP,160	
SC42	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
SC43	2203-000626	C-CERAMIC,CHIP;0.022NF,5%,50V,C0G,TP,160	
SC44	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
SC45	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SC46	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
SC47	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
SC48	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
SC49	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SC50	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SC52	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SC54	2203-001222	C-CERAMIC,CHIP;820pF,10%,50V,X7R,TP,1608	
SC55	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SC56	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SC57	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SC58	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SC59	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SC60	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SC61	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SC62	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SC63	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SC7	2203-001222	C-CERAMIC,CHIP;820pF,10%,50V,X7R,TP,1608	
SC8	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SC9	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SC90	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
SE1	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
SE11	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
SE2	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
SE3	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
SE4	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
SE6	2401-001225	C-AL;4.7uF,20%,16V,GP,TP,3x5,5	
SE7	2401-001225	C-AL;4.7uF,20%,16V,GP,TP,3x5,5	
SE8	2401-001225	C-AL;4.7uF,20%,16V,GP,TP,3x5,5	
SE9	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
SIC1	AH13-00006A	IC ASIC;KS1454,DVD-611/XAA,160,+3.3V,+	
SIC2	1105-001243	IC-DRAM;416C256,256KX16BIT,SOJ,40P,400	
SIC3	1003-001521	IC-MOTOR DRIVER;FAN8727,QFPH,48P,550MIL,	
SIC4	0801-002097	IC-CMOS LOGIC;7ST08,AND GATE,SOP,5P,110M	
SJACK	3722-001375	JACK-DIN;4P,-,NI,BLK,-	
SPKJ	3716-001202	TERMINAL-BLOCK;ANGLE,12P,2.30MM,1KV,-	
SQ1	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT	
SR1	2007-000381	R-CHIP;13Kohm,5%,1/16W,DA,TP,1608	
SR14	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
SR15	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
SR16	2007-000133	R-CHIP;330Kohm,5%,1/16W,DA,TP,1608	
SR18	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
SR19	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
SR2	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
SR20	2007-001235	R-CHIP;910Kohm,5%,1/16W,DA,TP,1608	
SR21	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
SR23	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
SR24	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
SR25	2007-000093	R-CHIP;20Kohm,5%,1/16W,DA,TP,1608	
SR26	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
SR27	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
SR29	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
SR30	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
SR31	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
SR32	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
SR4	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
SR40	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
SR44	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	
SR48	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
SR49	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
SR50	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
SR51	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
SR55	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
SR56	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
SR57	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
SR58	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
SR59	2007-000087	R-CHIP;6.8Kohm,5%,1/16W,DA,TP,1608	
SR60	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
SR61	2007-000107	R-CHIP;470Kohm,5%,1/16W,DA,TP,1608	
SR67	2007-000034	R-CHIP;1OHM,5%,1/4W,DA,TP,3216	
SR68	2007-000034	R-CHIP;1OHM,5%,1/4W,DA,TP,3216	
SR69	2007-000655	R-CHIP;27Kohm,5%,1/16W,DA,TP,1608	
SR70	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	

Loc.No	Part No	Description ; Specification	Remark
SR71	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
SR72	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
SR73	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
SR74	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
SR75	2007-000093	R-CHIP;20Kohm,5%,1/16W,DA,TP,1608	
SR76	2007-000093	R-CHIP;20Kohm,5%,1/16W,DA,TP,1608	
SR77	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
SR79	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
SR8	2007-000799	R-CHIP;360ohm,5%,1/16W,DA,TP,1608	
SR9	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
SY1	2801-000261	CRYSTAL-UNIT;33.8688MHz,50ppm,28-AAA,12p	
VC10	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
VC11	2203-001607	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,1608	
VC12	2203-001607	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,1608	
VC13	2203-001607	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,1608	
VC14	2203-001607	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,1608	
VC15	2203-001607	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,1608	
VC16	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
VC17	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
VC18	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
VC5	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
VC6	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
VC7	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
VC9	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
VE1	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
VE11	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
VE13	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
VE5	2401-000918	C-AL;22uF,20%,16V,GP,-,6.3x7,5	
VE7	2401-001479	C-AL;470uF,20%,10V,GP,TP,-,-	
VE9	2401-001479	C-AL;470uF,20%,10V,GP,TP,-,-	
VIC1	1201-001836	IC-VIDEO AMP;MM1567AJBE,SOP,34P,300MIL,-	
VL10	3301-001419	CORE-FERRITE BEAD;AB,220ohm,1.6x0.8x0.8m	
VL11	3301-001419	CORE-FERRITE BEAD;AB,220ohm,1.6x0.8x0.8m	
VL5	2703-000398	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
VL7	3301-001419	CORE-FERRITE BEAD;AB,220ohm,1.6x0.8x0.8m	
VL8	3301-001419	CORE-FERRITE BEAD;AB,220ohm,1.6x0.8x0.8m	
VL9	3301-001419	CORE-FERRITE BEAD;AB,220ohm,1.6x0.8x0.8m	
VR1	2104-001068	VR-SMD;10Kohm,25%,1/20W,TOP	
VR17	2007-001164	R-CHIP;75ohm,1%,1/16W,DA,TP,1608	
VR18	2007-001164	R-CHIP;75ohm,1%,1/16W,DA,TP,1608	
VR19	2007-001164	R-CHIP;75ohm,1%,1/16W,DA,TP,1608	
VR20	2007-001164	R-CHIP;75ohm,1%,1/16W,DA,TP,1608	
VR21	2007-001164	R-CHIP;75ohm,1%,1/16W,DA,TP,1608	
VR22	2007-000073	R-CHIP;91ohm,5%,1/16W,DA,TP,1608	
VR23	2007-000073	R-CHIP;91ohm,5%,1/16W,DA,TP,1608	
VR28	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
VR30	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
VR34	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
VR35	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
VR36	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
VZ1	0403-001083	DIODE-ZENER;UDZ9.1B,9.1V,8.85-9.23V,200m	
VZ10	0403-001083	DIODE-ZENER;UDZ9.1B,9.1V,8.85-9.23V,200m	
VZ2	0403-001083	DIODE-ZENER;UDZ9.1B,9.1V,8.85-9.23V,200m	
VZ3	0403-001083	DIODE-ZENER;UDZ9.1B,9.1V,8.85-9.23V,200m	
VZ4	0403-001083	DIODE-ZENER;UDZ9.1B,9.1V,8.85-9.23V,200m	
VZ5	0403-001083	DIODE-ZENER;UDZ9.1B,9.1V,8.85-9.23V,200m	
VZ6	0403-001083	DIODE-ZENER;UDZ9.1B,9.1V,8.85-9.23V,200m	
VZ7	0403-001083	DIODE-ZENER;UDZ9.1B,9.1V,8.85-9.23V,200m	
VZ8	0403-001083	DIODE-ZENER;UDZ9.1B,9.1V,8.85-9.23V,200m	
VZ9	0403-001083	DIODE-ZENER;UDZ9.1B,9.1V,8.85-9.23V,200m	
ZC1	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC2	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC20	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC21	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC22	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC23	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	

Loc.No	Part No	Description ; Specification	Remark
ZC24	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC25	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC26	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC27	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC28	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC29	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC3	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC30	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC31	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC32	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC33	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC34	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC35	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC36	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC37	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC38	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC39	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC4	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC40	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC41	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC42	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC43	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC44	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC45	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC46	2203-000815	C-CERAMIC,CHIP;0.033NF,5%,50V,C0G,TP,160	
ZC5	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC59	2203-000815	C-CERAMIC,CHIP;0.033NF,5%,50V,C0G,TP,160	
ZC6	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC60	2203-000815	C-CERAMIC,CHIP;0.033NF,5%,50V,C0G,TP,160	
ZC61	2203-000815	C-CERAMIC,CHIP;0.033NF,5%,50V,C0G,TP,160	
ZC62	2203-001567	C-CERAMIC,CHIP;0.01nF,0.5pF,50V,NP0,TP,1	
ZC63	2203-000384	C-CERAMIC,CHIP;0.015NF,5%,50V,C0G,TP,160	
ZC65	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC66	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC67	2203-000626	C-CERAMIC,CHIP;0.022NF,5%,50V,C0G,TP,160	
ZC7	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC76	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC77	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC8	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
ZE3	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
ZE4	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
ZE5	2401-001479	C-AL;470uF,20%,10V,GP,TP,-,-	
ZE6	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
ZE7	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
ZIC1	1204-002039	IC-DECODER;ZR36732,MQFP,160P,28X28MM,PLA	
ZIC2	1105-001305	IC-DRAM;4S641632,1Mx16x4Bit,TSOP,54P,4	
ZIC4	0801-002097	IC-CMOS LOGIC;7ST08,AND GATE,SOP,5P,110M	
ZL1	2703-000398	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
ZL11	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
ZL13	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
ZL15	3301-001419	CORE-FERRITE BEAD;AB,220ohm,1.6x0.8x0.8m	
ZL2	3301-001419	CORE-FERRITE BEAD;AB,220ohm,1.6x0.8x0.8m	
ZL3	3301-001419	CORE-FERRITE BEAD;AB,220ohm,1.6x0.8x0.8m	
ZL4	3301-001419	CORE-FERRITE BEAD;AB,220ohm,1.6x0.8x0.8m	
ZL5	3301-001419	CORE-FERRITE BEAD;AB,220ohm,1.6x0.8x0.8m	
ZL7	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
ZL8	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
ZR2	2007-001164	R-CHIP;75ohm,1%,1/16W,DA,TP,1608	
ZR23	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
ZR3	2007-001164	R-CHIP;75ohm,1%,1/16W,DA,TP,1608	
ZR30	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
ZR31	2007-000118	R-CHIP;390ohm,5%,1/16W,DA,TP,1608	
ZR32	2007-001164	R-CHIP;75ohm,1%,1/16W,DA,TP,1608	
ZR33	2007-001164	R-CHIP;75ohm,1%,1/16W,DA,TP,1608	
ZR34	2007-001164	R-CHIP;75ohm,1%,1/16W,DA,TP,1608	
ZR35	2007-001164	R-CHIP;75ohm,1%,1/16W,DA,TP,1608	

Loc.No	Part No	Description ; Specification	Remark
ZR36	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
ZR37	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
ZR38	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
ZR39	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
ZR4	2007-001164	R-CHIP;75ohm,1%,1/16W,DA,TP,1608	
ZR40	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
ZR41	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
ZR43	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
ZR44	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
ZR46	2011-000816	R-NETWORK;100OHM,5%,1/16W,L,CHIP,8P,TP	
ZR47	2011-000816	R-NETWORK;100OHM,5%,1/16W,L,CHIP,8P,TP	
ZR49	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
ZR5	2007-001164	R-CHIP;75ohm,1%,1/16W,DA,TP,1608	
ZR50	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
ZR51	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
ZR52	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
ZR53	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
ZR54	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
ZR55	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
ZR56	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
ZR57	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
ZR60	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
ZR61	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
ZR62	2007-000658	R-CHIP;27OHM,5%,1/10W,DA,TP,2012	
ZR63	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
ZR64	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
ZR66	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
ZR67	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
ZR68	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
ZR69	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
ZR8	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
ZY1	2801-004065	CRYSTAL-UNIT;27MHZ,10PPM,28-AAM,20PF,20O	
603	**AC92-01325A**	**ASSY OPT PCB-SMPS;DVD-CM350/XAA,SMPS**	
BDV3	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,	
BDV4	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,	
C03	2201-000963	C-CERAMIC,DISC;1NF,20%,400V,Y5U,TP,9.5X6	⚠
C04	2201-000963	C-CERAMIC,DISC;1NF,20%,400V,Y5U,TP,9.5X6	⚠
C11	2305-001029	C-FILM,MPEF;10nF,10%,630V,TP,12x9x12.5,5	
C12	2401-001200	C-AL;33UF,20%,50V,WT,TP,6.3X11,2.5	
C13	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C14	2201-000129	C-CERAMIC,DISC;0.1NF,10%,1KV,Y5P,TP,7X4M	
C15	2401-001915	C-AL;1uF,20%,50V,GP,TP,3x5,5	
C16	2401-001200	C-AL;33UF,20%,50V,WT,TP,6.3X11,2.5	
C32	2401-001992	C-AL;2200UF,20%,10V,WT,TP,10X20MM,5	
C37	2307-000103	C-FILM,MPCF;100nF,5%,50V,TP,-,5mm	
CD34	2401-003480	C-AL;1000UF,20%,10V,LZ,TP,10X16MM,5	
CD35	2401-003046	C-AL;47uF,20%,50V,WT,TP,6.3x11,2.5	
CD36	2401-001353	C-AL;470uF,20%,10V,GP,TP,8x11.5,5	
CE201	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
CV30	2401-003137	C-AL;330UF,20%,50V,WT,TP,10X16MM,5	
CV31	2401-001126	C-AL;330uF,20%,25V,WT,TP,10x12.5,5	
CV33	2401-003480	C-AL;1000UF,20%,10V,LZ,TP,10X16MM,5	
CV34	2401-001126	C-AL;330uF,20%,25V,WT,TP,10x12.5,5	
CV35	2401-000385	C-AL;10uF,20%,100V,GP,TP,6.3x11,5	
D05	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D10	0402-001195	DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP	
D201	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
DD32	0404-001180	DIODE-SCHOTTKY;SE55,45V,5000MA,TO-220A,B	
DD33	0404-001180	DIODE-SCHOTTKY;SE55,45V,5000MA,TO-220A,B	
DD34	0402-001195	DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP	
DD36	0402-001195	DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP	
DV30	0402-001195	DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP	
DV31	0402-001194	DIODE-RECTIFIER;UG2D,200V,2A,DO-204AC,TP	
DV32	0404-001180	DIODE-SCHOTTKY;SE55,45V,5000MA,TO-220A,B	
DV34	0402-001195	DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP	

Loc.No	Part No	Description ; Specification	Remark
IC01	1203-002805	IC-PWM CONTROLLER;ICE2BS01,PDIP,8P,9.52X	
IC02	0604-000186	PHOTO-COUPLER;TR,-,200mW,DIP-4,ST	⚠
IC03	AC14-12006D	IC;KA431Z,TO-92,TAPING	
L31	AC27-12001N	COIL CHOKE;10UH-15%,RA,K-30,Q80,150KHZ,-	
LV32	AC27-12001N	COIL CHOKE;10UH-15%,RA,K-30,Q80,150KHZ,-	
PB1	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,	
PC1	2306-000321	C-FILM,MPPF;470NF,5%,275V,TP,-,22.5	⚠
PC103	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
PC105	2201-000322	C-CERAMIC,DISC;2.2NF,10%,2KV,Y5P,TP,13X5	
PC113	2301-000008	C-FILM,PEF;2.2nF,5%,50V,TP,5.5X7X3,5mm	
PC13	2301-000402	C-FILM,PEF;1nF,5%,50V,TP,5x7x2.8mm,5mm	
PC14	2201-000863	C-CERAMIC,DISC;0.68NF,10%,50V,Y5P,TP,5X3	
PC2	2306-000321	C-FILM,MPPF;470NF,5%,275V,TP,-,22.5	⚠
PC201	2307-000103	C-FILM,MPCF;100nF,5%,50V,TP,-,5mm	
PC3	2201-000963	C-CERAMIC,DISC;1NF,20%,400V,Y5U,TP,9.5X6	⚠
PC34	2307-000103	C-FILM,MPCF;100nF,5%,50V,TP,-,5mm	
PC37	2201-000963	C-CERAMIC,DISC;1NF,20%,400V,Y5U,TP,9.5X6	⚠
PC4	2201-000963	C-CERAMIC,DISC;1NF,20%,400V,Y5U,TP,9.5X6	⚠
PC41	2201-000129	C-CERAMIC,DISC;0.1NF,10%,1KV,Y5P,TP,7X4M	
PC5	2201-000286	C-CERAMIC,DISC;1NF,10%,1KV,Y5P,BK,8X5MM,	
PC50	2301-000402	C-FILM,PEF;1nF,5%,50V,TP,5x7x2.8mm,5mm	
PC9	2305-001029	C-FILM,MPEF;10nF,10%,630V,TP,12x9x12.5,5	
PCE10	2401-002036	C-AL;1uF,20%,50V,GP,TP,5x11,2.5	
PCE17	2401-003243	C-AL;150uF,20%,400V,WT,BK,25x30,10	
PCE18	2401-003243	C-AL;150uF,20%,400V,WT,BK,25x30,10	
PCE27	2401-001902	C-AL;100uF,20%,50V,GP,-,6.3x11,2.5	
PCE6	2401-003850	C-AL;1000UF,20%,50V,WT,TP,12.5 X 25	
PCE7	2401-003850	C-AL;1000UF,20%,50V,WT,TP,12.5 X 25	
PCN1	3711-000178	CONNECTOR-HEADER;1WALL,2P,1R,3.96mm,STRA	
PCN2	AC39-00082A	CBF HARNESS;-,24AWG,-,13P,85,-,-,-,MOLEX	
PCN3	3711-000595	CONNECTOR-HEADER;BOX,10P,1R,2mm,ANGLE,SN	
PCN4	3711-000827	CONNECTOR-HEADER;BOX,2P,1R,2mm,STRAIGHT,	
PD1	0402-001533	DIODE-RECTIFIER;1N5408,1000V,3A,DO-201AD	
PD14	0402-001195	DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP	
PD16	0402-001569	DIODE-RECTIFIER;-,400,16A,ITO-220,-	
PD17	0402-000012	DIODE-RECTIFIER;UF4007,1KV,1A,DO-41,TP	
PD18	0402-001569	DIODE-RECTIFIER;-,400,16A,ITO-220,-	
PD2	0402-001533	DIODE-RECTIFIER;1N5408,1000V,3A,DO-201AD	
PD202	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
PD3	0402-001533	DIODE-RECTIFIER;1N5408,1000V,3A,DO-201AD	
PD4	0402-001533	DIODE-RECTIFIER;1N5408,1000V,3A,DO-201AD	
PD5	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
PD7	0402-000012	DIODE-RECTIFIER;UF4007,1KV,1A,DO-41,TP	
PFD1	3601-000414	FUSE-CARTRIDGE;250V,5A,SLOW-BLOW,GLASS,5	⚠
PIC1	1203-001951	IC-PWM CONTROLLER;3844,DIP,8P,300MIL,PLA	
PIC3	0604-000186	PHOTO-COUPLER;TR,-,200mW,DIP-4,ST	⚠
PIC5	AC14-12006D	IC;KA431Z,TO-92,TAPING	
PL1	AC29-00004A	FILTER LINE NOISE;SV-DVD3500A,SQ-2828 L	⚠
PL2	AC29-00004A	FILTER LINE NOISE;SV-DVD3500A,SQ-2828 L	⚠
PL3	AC27-00007A	COIL CHOKE;-,-,22UH,-,-,0.02OHM MAX,-,BA	
PQ1	0505-001667	FET-SILICON;SPA07N60C3,N,600V,4.3A,0.6OH	
PQ201	0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L	
PR102	2001-000055	R-CARBON;4.7KOHM,5%,1/4W,AA,TP,2.4X6.4M	
PR104	2001-000065	R-CARBON;10KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
PR105	2003-000556	R-METAL OXIDE(S);2.2ohm,5%,2W,AA,TP,4x12	
PR111	2001-000071	R-CARBON;22KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
PR112	2001-000764	R-CARBON;43KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
PR121	2001-000113	R-CARBON;18KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
PR13	2005-001017	R-WIRE WOUND,NON;0.15ohm,1%,1W,AA,TP,4.3	
PR14	2001-000042	R-CARBON;1KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
PR15	2001-000611	R-CARBON;3.9KOHM,5%,1/4W,AA,TP,2.4X6.4M	
PR16	2001-000027	R-CARBON;100OHM,5%,1/4W,AA,TP,2.4X6.4MM	
PR2	2004-005062	R-METAL;6.75Kohm,1%,1/4W,AA,TP,2.4X6.4	
PR201	2001-000036	R-CARBON;330OHM,5%,1/4W,AA,TP,2.4X6.4MM	
PR21	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
PR22	2003-000855	R-METAL OXIDE(S);47Kohm,5%,3W,AA,TP,6x16	

Loc.No	Part No	Description ; Specification	Remark
PR24	2003-002290	R-METAL OXIDE;180KOHM,5%,1W,AD,TP,3.3X9M	
PR3	2004-005063	R-METAL;708ohm,1%,1/4W,AA,TP,2.4X6.4mm	
PR31	2001-001153	R-CARBON(S);47OHM,5%,1/2W,AA,TP,2.4X6.4M	
PR40	2002-001090	R-COMPOSITION;2.7MOHM,5%,1/2W,AA,TP,4.0X	
PR41	2001-000588	R-CARBON;3.3KOHM,5%,1/4W,AA,TP,2.4X6.4M	
PR5	2003-000471	R-METAL OXIDE(S);10ohm,5%,2W,AA,TP,4x12m	
PSW1	3811-000389	WIRE-NO SHEATH CU;SPCW,300V,52.4mm,1/0.5	⚠
PTD1	AC26-00010A	TRANS SWITCHING;EER-4042,J2A,SV-DVD3500A	⚠
PTD2	AC26-00002L	TRANS SWITCHING;EER3531,SV-DVD90,FREE,-,	⚠
PTH01	1404-001195	THERMISTOR-NTC;5.1ohm,15%,2900,27mW/C,BK	⚠
PZD1	0403-000753	DIODE-ZENER;MTZJ27D,27V,26.29-27.64V,500	
PZD201	0403-000384	DIODE-ZENER;UZP20B,20V,18.9-21.1V,1W,DO-	
Q10	0505-001729	FET-SILICON;SPA04N60C3,N,600V,4.5A,0.85O	
R11	2001-000546	R-CARBON;270KOHM,5%,1/4W,AA,TP,2.4X6.4M	
R12	2001-000546	R-CARBON;270KOHM,5%,1/4W,AA,TP,2.4X6.4M	
R13	2001-000546	R-CARBON;270KOHM,5%,1/4W,AA,TP,2.4X6.4M	
R14	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R15	2001-000598	R-CARBON;3.3OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R16	2005-001184	R-WIRE WOUND,NON;0.33OHM,5%,1W,AA,TP,4.3	
R160	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R17	2001-000325	R-CARBON;120OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R18	2006-000273	R-CEMENT;27KOHM,5%,2W,CA,BK,6.4X6.5X18M	
R19	2001-000527	R-CARBON;22OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R20	2004-000459	R-METAL;2.2Kohm,1%,1/8W,AA,TP,1.8x3.2m	
R201	2001-001153	R-CARBON(S);47OHM,5%,1/2W,AA,TP,2.4X6.4M	
R21	2006-000273	R-CEMENT;27KOHM,5%,2W,CA,BK,6.4X6.5X18M	
R31	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R32	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R33	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R34	2004-000869	R-METAL;3Kohm,1%,1/8W,AA,TP,1.8x3.2mm	
R35	2004-000459	R-METAL;2.2Kohm,1%,1/8W,AA,TP,1.8x3.2m	
RD30	2001-000440	R-CARBON;1OHM,5%,1/8W,AA,TP,1.8X3.2MM	
ZD10	0403-001318	DIODE-ZENER;MTZJ4.3B,4.17-4.43V,500mW,DO	
ZD11	0403-000713	DIODE-ZENER;MTZJ20B,20V,18.63-17.7V,500m	
701	**AC94-00195A**	**ASSY PCB-F/TIMER;THEATER2,COMBO**	
C701	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
C702	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
C703	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C704	2202-000173	C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,1	
C705	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C706	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C707	2401-000118	C-AL;1000uF,20%,10V,GP,TP,10x12.5,5	
C708	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C709	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C711	2401-000118	C-AL;1000uF,20%,10V,GP,TP,10x12.5,5	
CN701	3710-001145	CONNECTOR-SOCKET;20P,1R,1.5mm,STRAIGHT,S	
CN702	3711-001062	CONNECTOR-HEADER;BOX,6P,1R,2mm,STRAIGHT,	
D703	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D704	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D705	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D706	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D707	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D708	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
DT701	AC07-00063A	LED DISPLAY;LTG-0149AM,CHT-420/XAA,7 SEG	
IC701	1003-001561	IC-LED DRIVER;PT6961,SOP,32P,300MIL,-,40	
JK701	3722-001917	JACK-PHONE;6P,3.6PI,SN,BLK,-	
L701	2701-000113	INDUCTOR-AXIAL;100uH,5%,2.5x3.4mm	
L702	2701-000113	INDUCTOR-AXIAL;100uH,5%,2.5x3.4mm	
L703	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L704	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
LD701	0601-001715	LED;ROUND,BLUE,3MM,475NM,3X5MM	
Q701	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
R701	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R702	2001-000832	R-CARBON;510OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R703	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R704	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R705	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R706	2001-000837	R-CARBON;51KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R707	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R708	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R709	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R710	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R711	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R712	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RM701	AC32-00010A	MODULE REMOCON;GP1UA281RK,38KHZ,-,10.1*5	
SW701	3404-001188	SWITCH-TACT;12V,50MA,100GF,6X6X5,SPST	
SW702	3404-001188	SWITCH-TACT;12V,50MA,100GF,6X6X5,SPST	
SW703	3404-001188	SWITCH-TACT;12V,50MA,100GF,6X6X5,SPST	
SW704	3404-001188	SWITCH-TACT;12V,50MA,100GF,6X6X5,SPST	
SW705	3404-001188	SWITCH-TACT;12V,50MA,100GF,6X6X5,SPST	
SW706	3404-001188	SWITCH-TACT;12V,50MA,100GF,6X6X5,SPST	
SW707	3404-001188	SWITCH-TACT;12V,50MA,100GF,6X6X5,SPST	
SW708	3404-001188	SWITCH-TACT;12V,50MA,100GF,6X6X5,SPST	
SW709	3404-001188	SWITCH-TACT;12V,50MA,100GF,6X6X5,SPST	
SW711	3404-001188	SWITCH-TACT;12V,50MA,100GF,6X6X5,SPST	
SW712	3404-001188	SWITCH-TACT;12V,50MA,100GF,6X6X5,SPST	
SW713	3404-001188	SWITCH-TACT;12V,50MA,100GF,6X6X5,SPST	
SW714	3404-001188	SWITCH-TACT;12V,50MA,100GF,6X6X5,SPST	
SW715	3404-001188	SWITCH-TACT;12V,50MA,100GF,6X6X5,SPST	
SW716	3404-001188	SWITCH-TACT;12V,50MA,100GF,6X6X5,SPST	
SW717	3404-001188	SWITCH-TACT;12V,50MA,100GF,6X6X5,SPST	
ZD701	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
ZD702	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
ZD703	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
ZD704	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
702	**AK92-00190A**	**ASSY OPT PCB-VOLUME;SV-DVD6000,VOLUME**	
CN00	AC39-00083A	CBF HARNESS;-,26AWG,-,6P,83,-,-,-,MOLEX	
LDV1	0601-001715	LED;ROUND,BLUE,3MM,475NM,3X5MM	
LDV2	0601-001715	LED;ROUND,BLUE,3MM,475NM,3X5MM	
QV1	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K/4.7K,T	
RV1	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RV2	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
VR101	3406-001082	SWITCH-ROTARY;DC 5V,1MA,24PULSE/NO CLICK	
H250	**AH92-00900A**	**ASSY-HOUSING PCB;DVD-M101,MILLENO DECK(B**	
HCN1	AH39-00266B	CONNECT WIRE;-,#26,-,-,-,WHT/BLK,-,-,-,-	
HSW1	3409-001119	SWITCH-DETECTOR;5V DC,1.0A,DPST,30gf,-	

6. Schematic Diagrams

◆ Block Identification of Main PCB ---------- 6-2

6-1 S.M.P.S.-1 ---------- 6-3

6-2 S.M.P.S.-2 ---------- 6-4

6-3 Function-Timer ---------- 6-5

6-4 Volume ---------- 6-6

VCR Main PCB

6-5 Power Drive ---------- 6-7

6-6 Logic ---------- 6-8

6-7 A/V ---------- 6-9

6-8 Hi-Fi/MTS ---------- 6-10

6-9 TM ---------- 6-11

6-10 AM/FM Receiver ---------- 6-12

6-11 Input-Output ---------- 6-13

DVD Main PCB

6-12 DVD Micom- ---------- 6-14

6-13 DVD AV Decoder ---------- 6-15

6-14 DVD Servo ---------- 6-16

6-15 DVD Audio/Video Interface ---------- 6-17

6-16 Digital Amp- ---------- 6-18

Note

For schematic Diagram
- Resistors are in ohms, 1/8W unless otherwise noted.

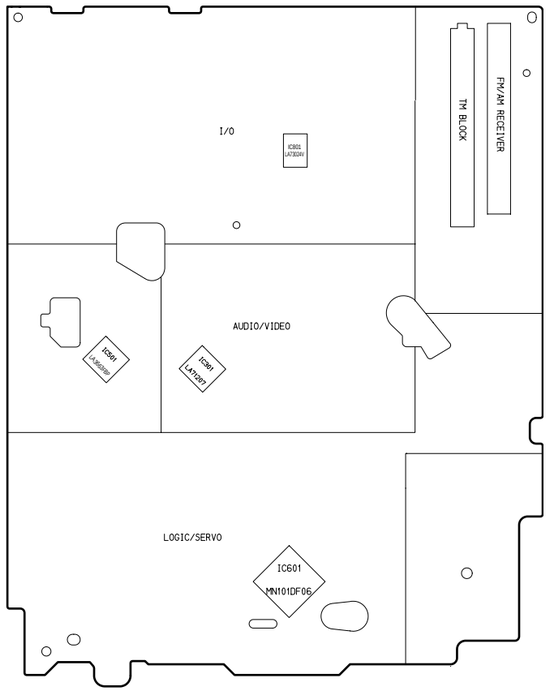
Special note :
Most semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the "electrostatically sensitive (ES) devices" section of this service manual.

Note :
Do not use the part number shown on this drawing for ordering. The correct part number is shown in the parts list (may be slightly different or amended since this drawing was prepared).

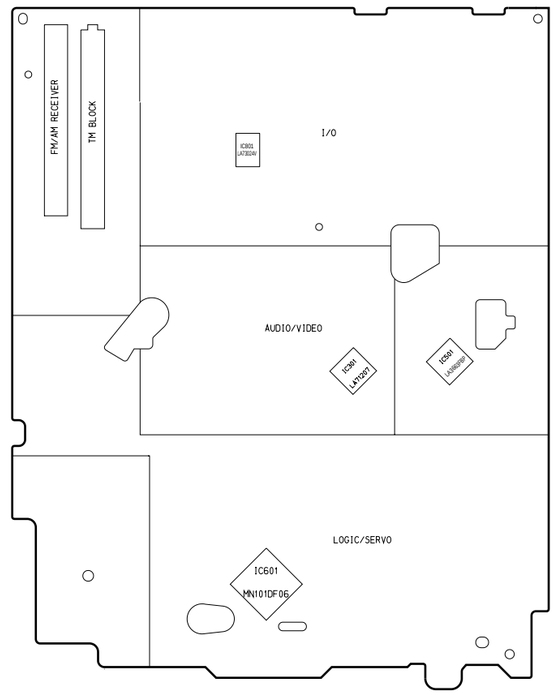
Important safety notices :
Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components.
Use only the same type.

◆ Block Identification of Main PCB

VCR MAIN PCB

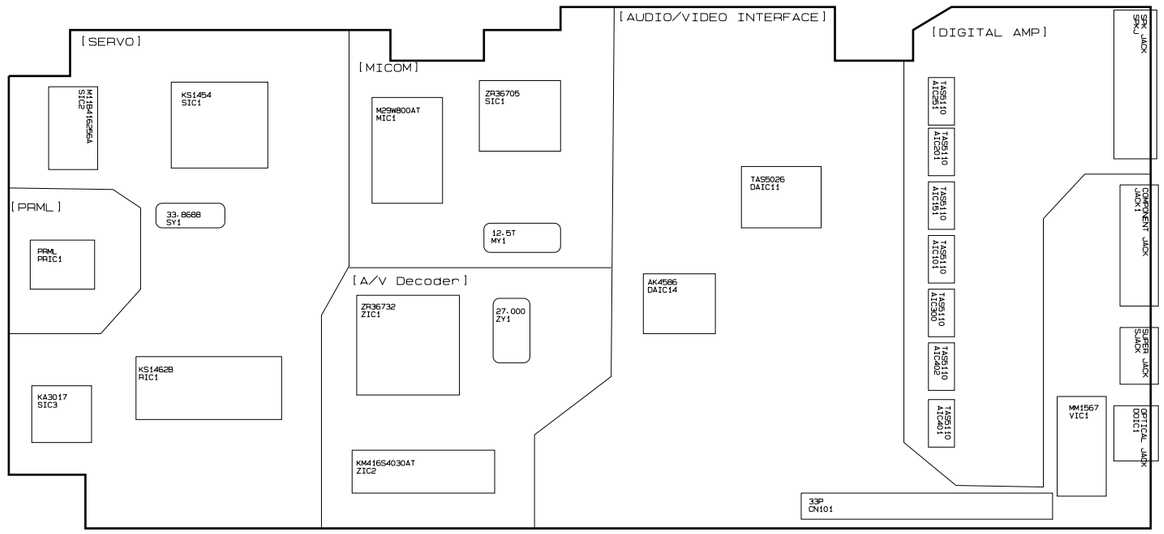


<Component Side>



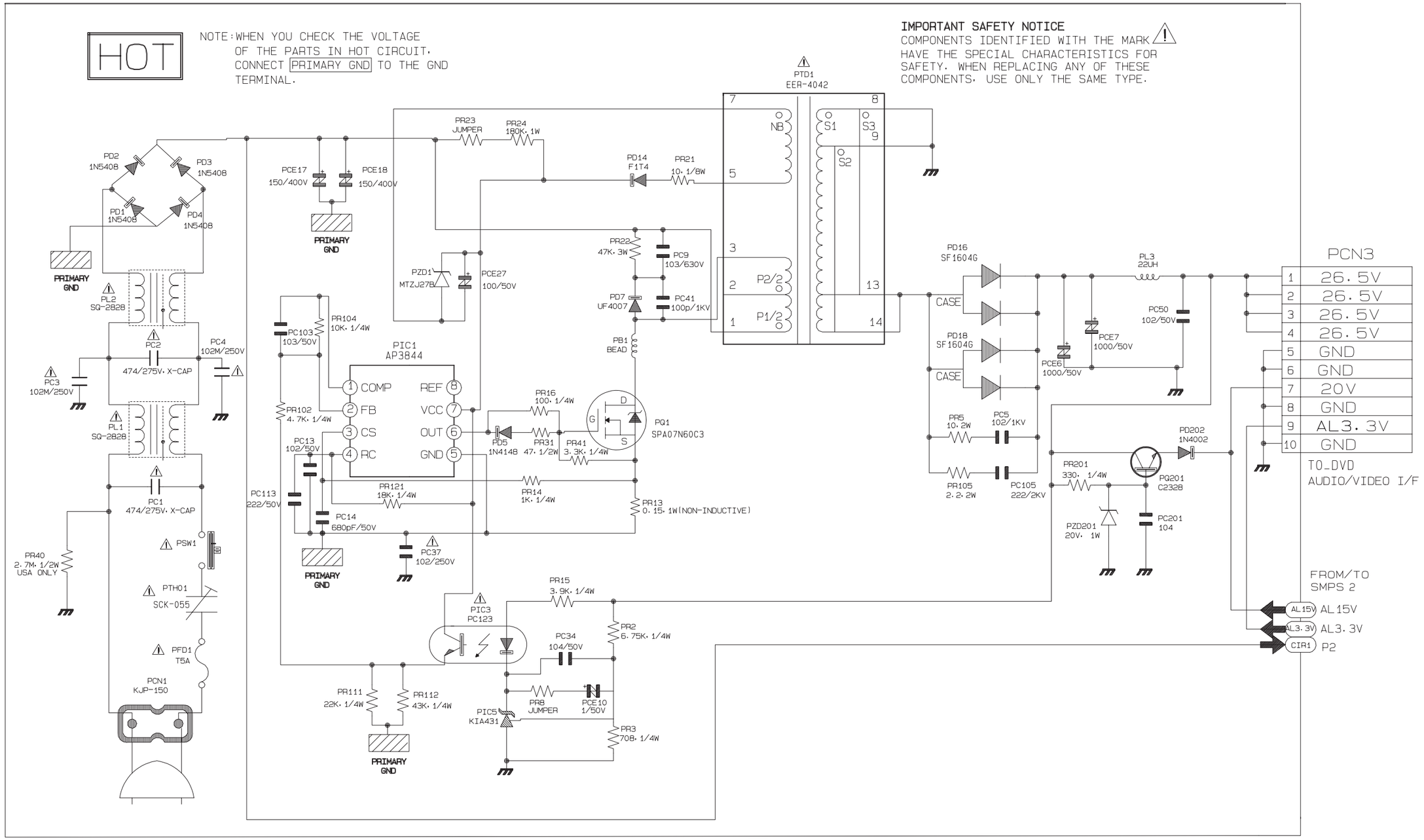
<Conductor Side>

DVD MAIN PCB

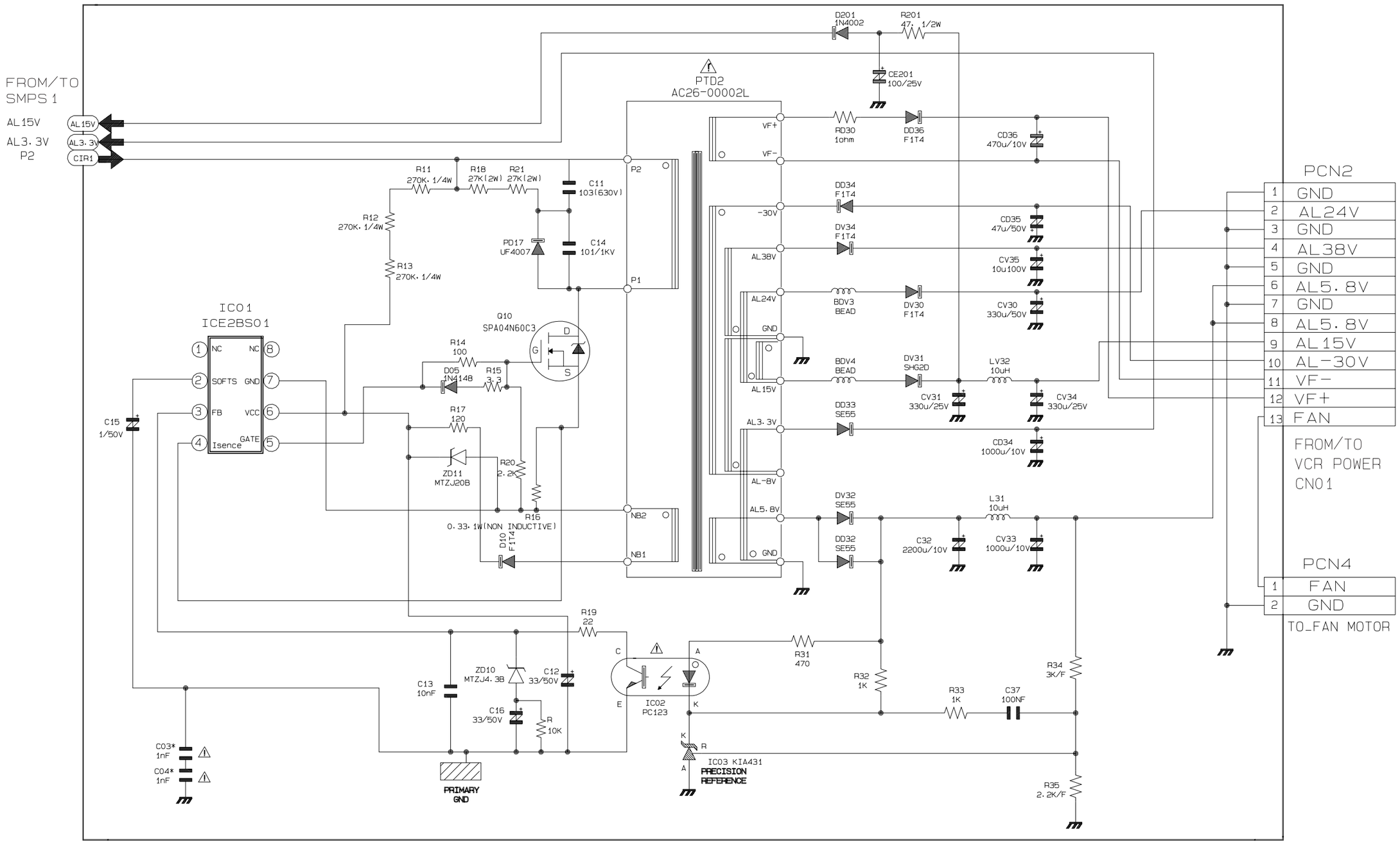


<Component Side>

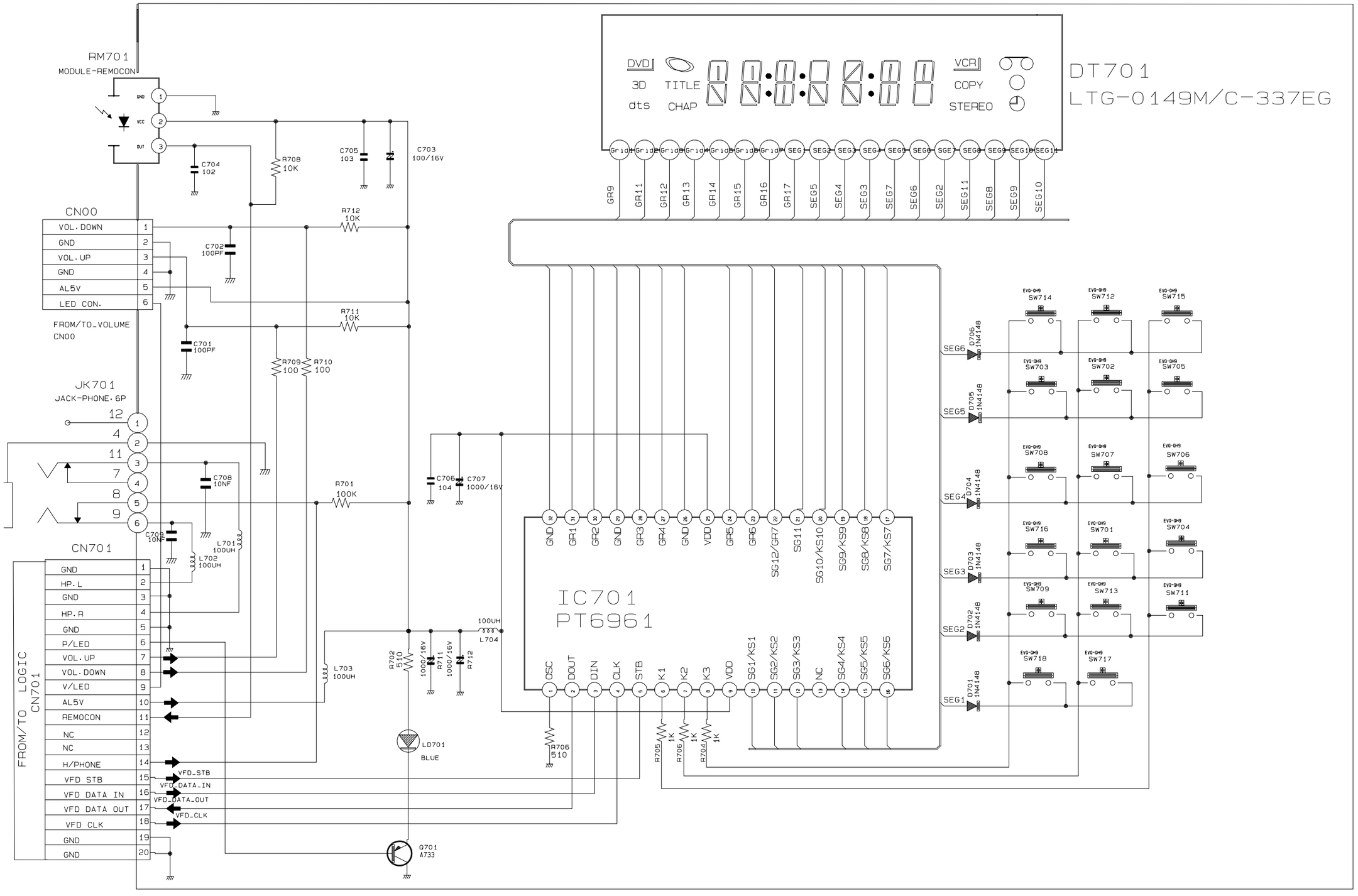
6-1 S.M.P.S.-1


HOT
NOTE: WHEN YOU CHECK THE VOLTAGE OF THE PARTS IN HOT CIRCUIT, CONNECT PRIMARY GND TO THE GND TERMINAL.
IMPORTANT SAFETY NOTICE
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.
PTD1 EER-4042
PD2 1N5408
PD3 1N5408
PD1 1N5408
PD4 1N5408
PRIMARY GND
PL2 SQ-2828
PL1 SQ-2828
PC2 474/275V, X-CAP
PC4 102M/250V
PC3 102M/250V
PC1 474/275V, X-CAP
PR40 2.7M, 1/2W USA ONLY
PSW1
PTH01 SCK-055
PFD1 T5A
PCN1 KJP-150
PCE17 150/400V
PCE18 150/400V
PR23 JUMPER
PR24 180K, 1W
PD14 F1T4
PR21 10, 1/8W
PZD1 MTZJ27B
PCE27 100/50V
PR22 47K, 3W
PC9 103/630V
PD7 UF4007
PC41 100p/1KV
PB1 BEAD
PR104 10K, 1/4W
PC103 103/50V
PIC1 AP3844
COMP FB CS RC REF VCC OUT GND
PR102 4.7K, 1/4W
PC13 102/50V
PR16 100, 1/4W
PQ1 SPA07N60C3
PD5 1N4148
PR31 47, 1/2W
PR41 3.3K, 1/4W
PR121 18K, 1/4W
PR14 1K, 1/4W
PR13 0.15, 1W(NON-INDUCTIVE)
PC113 222/50V
PC14 680pF/50V
PC37 102/250V
PRIMARY GND
PR15 3.9K, 1/4W
PIC3 PC123
PC34 104/50V
PR2 6.75K, 1/4W
PR111 22K, 1/4W
PR112 43K, 1/4W
PR8 JUMPER
PCE10 1/50V
PIC5 KIA431
PR3 708, 1/4W
PRIMARY GND
PD16 SF1604G
PD18 SF1604G
CASE
PL3 22UH
PCE7 1000/50V
PCE6 1000/50V
PC50 102/50V
PR5 10, 2W
PC5 102/1KV
PR105 2.2, 2W
PC105 222/2KV
PD202 1N4002
PR201 330, 1/4W
PQ201 C2328
PZD201 20V, 1W
PC201 104
PCN3
1 26.5V
2 26.5V
3 26.5V
4 26.5V
5 GND
6 GND
7 20V
8 GND
9 AL3.3V
10 GND
TO_DVD AUDIO/VIDEO I/F
FROM/TO SMPS 2
AL15V AL15V
AL3.3V AL3.3V
CIR1 P2

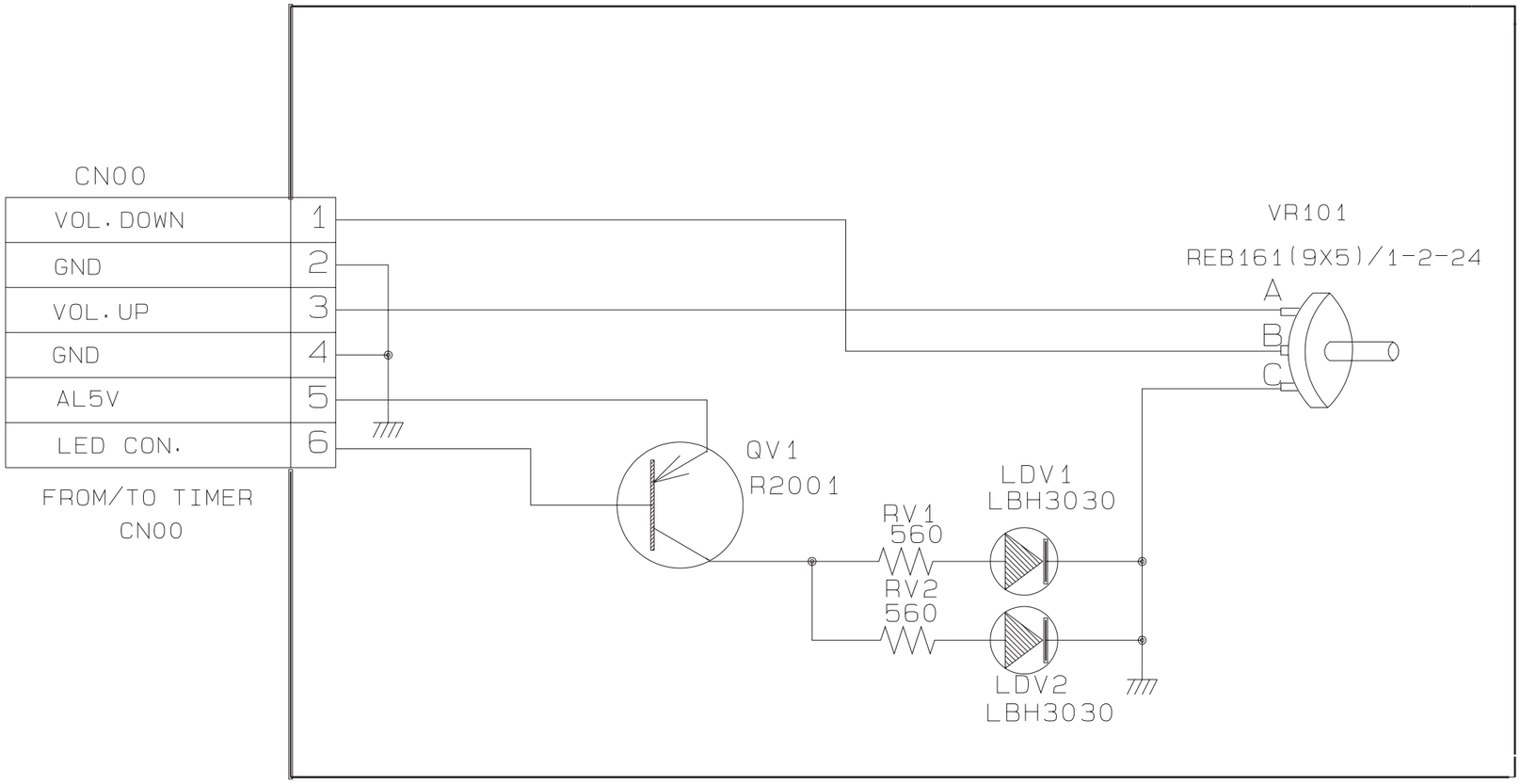
6-2 S.M.P.S.-2


FROM/TO
SMPS 1
AL15V
AL3.3V
P2
AL15V
AL3.3V
CIR1
PTD2
AC26-00002L
D201
1N4002
R201
47, 1/2W
CE201
100/25V
VF+
VF-
RD30
1ohm
DD36
F1T4
CD36
470u/10V
DD34
F1T4
-30V
CD35
47u/50V
DV34
F1T4
AL38V
CV35
10u100V
AL24V
BDV3
BEAD
DV30
F1T4
CV30
330u/50V
GND
BDV4
BEAD
DV31
SHG2D
LV32
10uH
AL15V
CV31
330u/25V
CV34
330u/25V
DD33
SE55
AL3.3V
CD34
1000u/10V
AL-8V
DV32
SE55
L31
10uH
AL5.8V
C32
2200u/10V
CV33
1000u/10V
DD32
SE55
GND
R11
270K, 1/4W
R18
27K(2W)
R21
27K(2W)
C11
103(630V)
R12
270K, 1/4W
PD17
UF4007
C14
101/1KV
R13
270K, 1/4W
P2
P1
NB2
NB1
ICO1
ICE2BS01
NC
NC
SOFTS
GND
FB
VCC
GATE
Isence
C15
1/50V
Q10
SPA04N60C3
D
G
S
R14
100
D05
1N4148
R15
3.3
R17
120
ZD11
MTZJ20B
R20
2.2K
R16
0.33, 1W(NON INDUCTIVE)
D10
F1T4
R19
22
ZD10
MTZJ4.3B
C12
33/50V
C13
10nF
C16
33/50V
R
10K
C03*
1nF
C04*
1nF
PRIMARY
GND
IC02
PC123
C
A
E
K
R31
470
R32
1K
R33
1K
C37
100NF
R34
3K/F
R35
2.2K/F
IC03 KIA431
PRECISION
REFERENCE
PCN2
1 GND
2 AL24V
3 GND
4 AL38V
5 GND
6 AL5.8V
7 GND
8 AL5.8V
9 AL15V
10 AL-30V
11 VF-
12 VF+
13 FAN
FROM/TO
VCR POWER
CN01
PCN4
1 FAN
2 GND
TO_FAN MOTOR

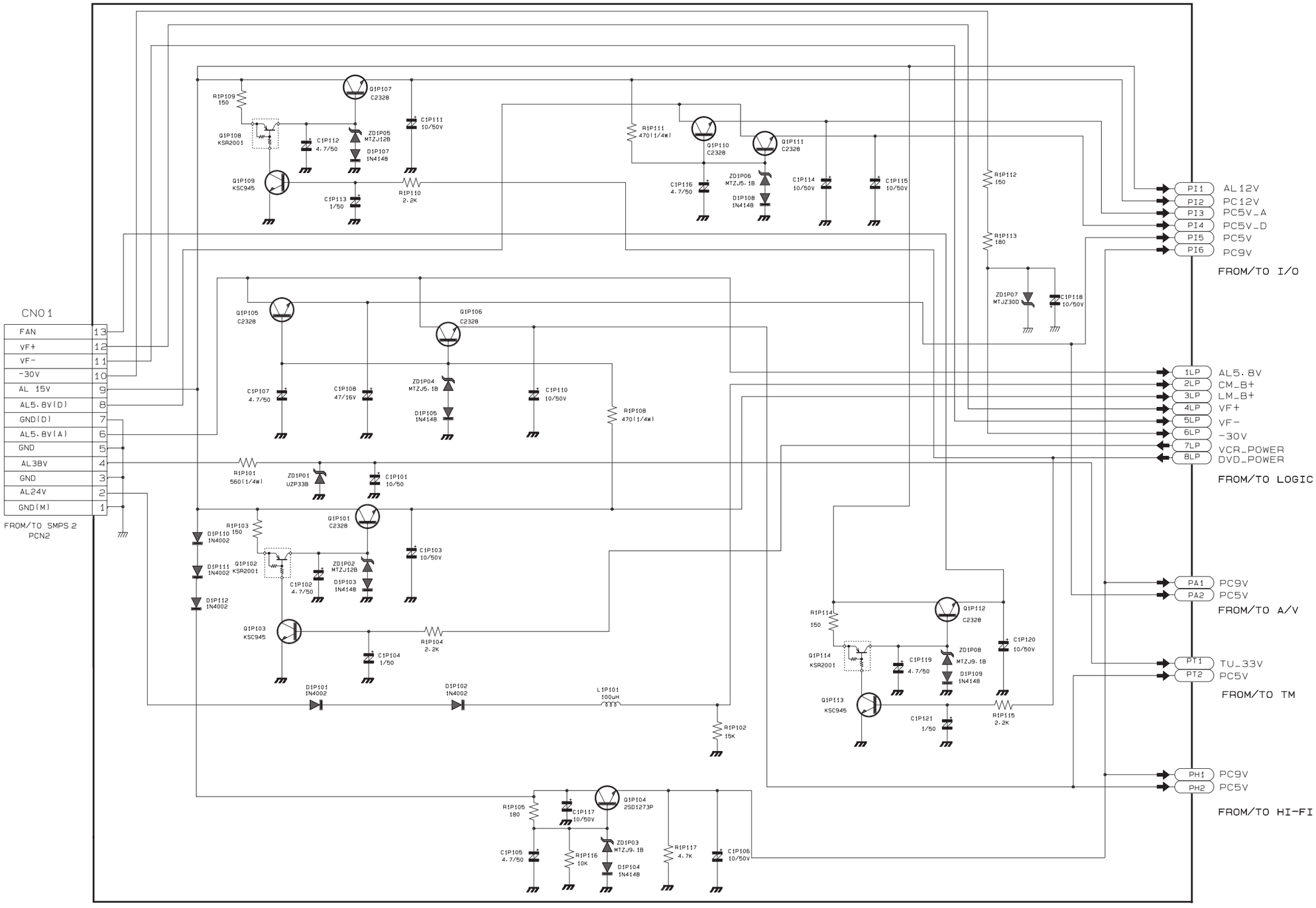
6-3 Function-Timer



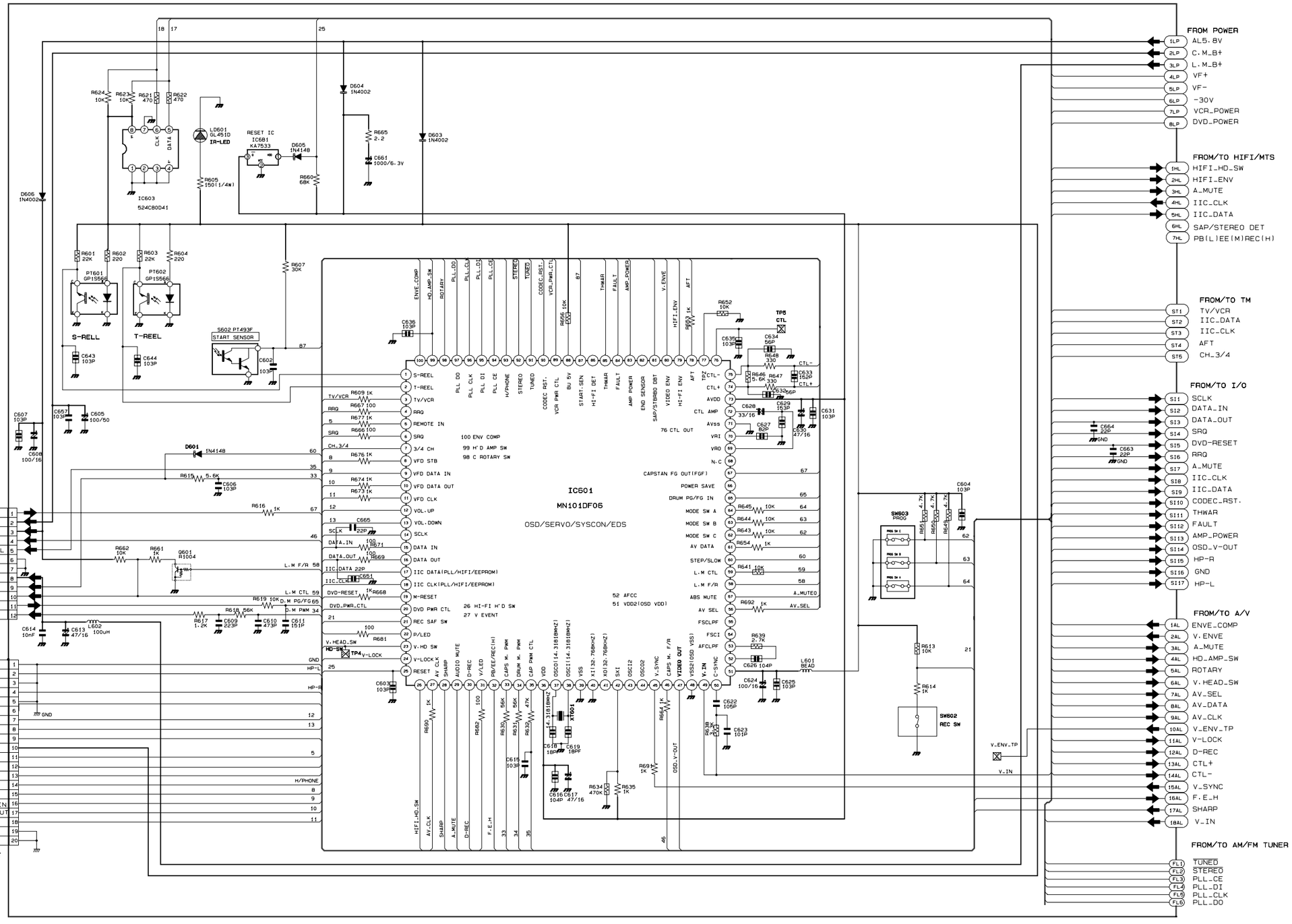
6-4 Volume


CN00
VOL. DOWN
1
GND
2
VOL. UP
3
GND
4
AL5V
5
LED CON.
6
FROM/TO TIMER
CN00
VR101
REB161(9X5)/1-2-24
A
B
C
QV1
R2001
RV1
560
RV2
560
LDV1
LBH3030
LDV2
LBH3030

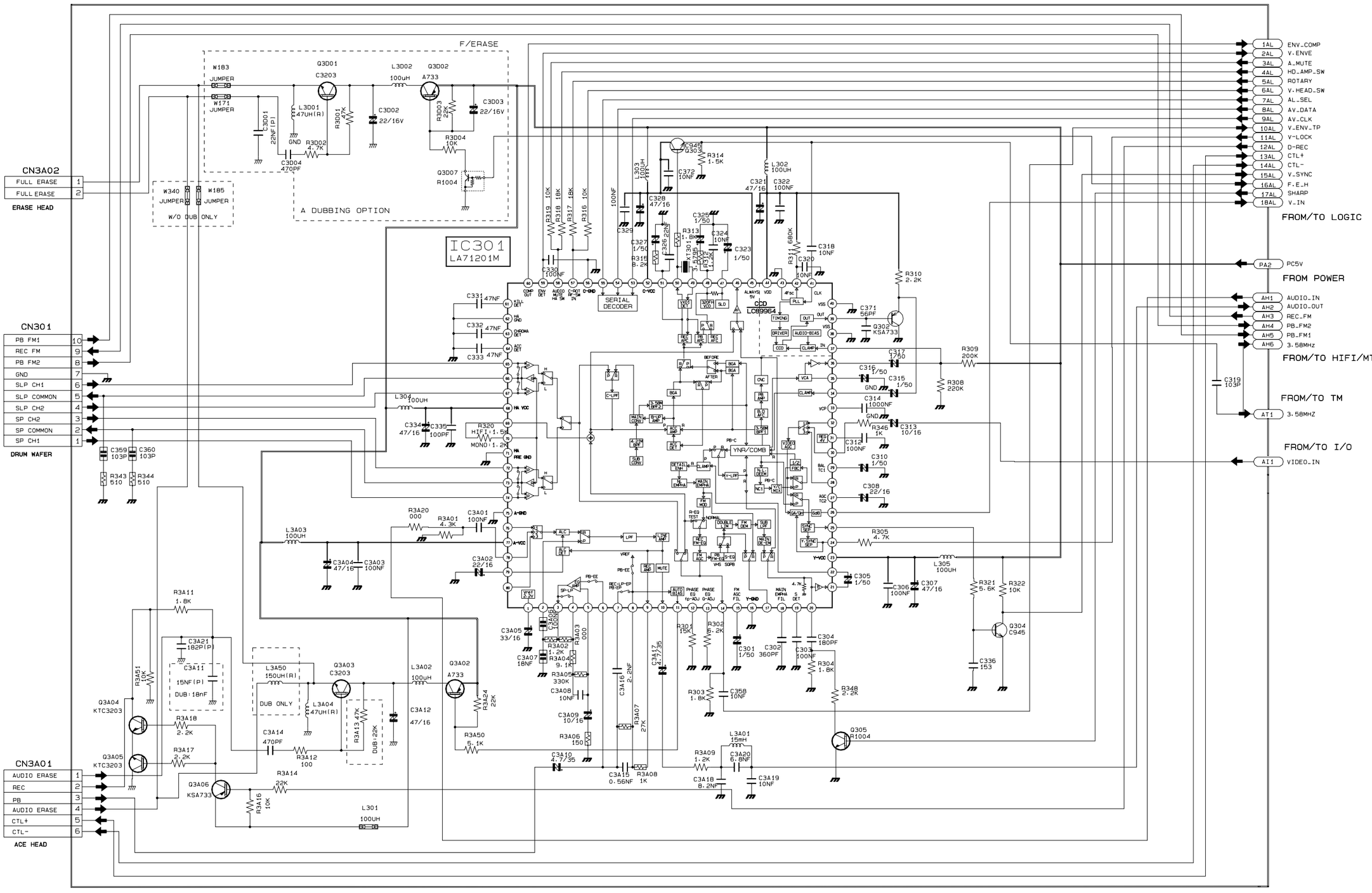
6-5 Power Drive



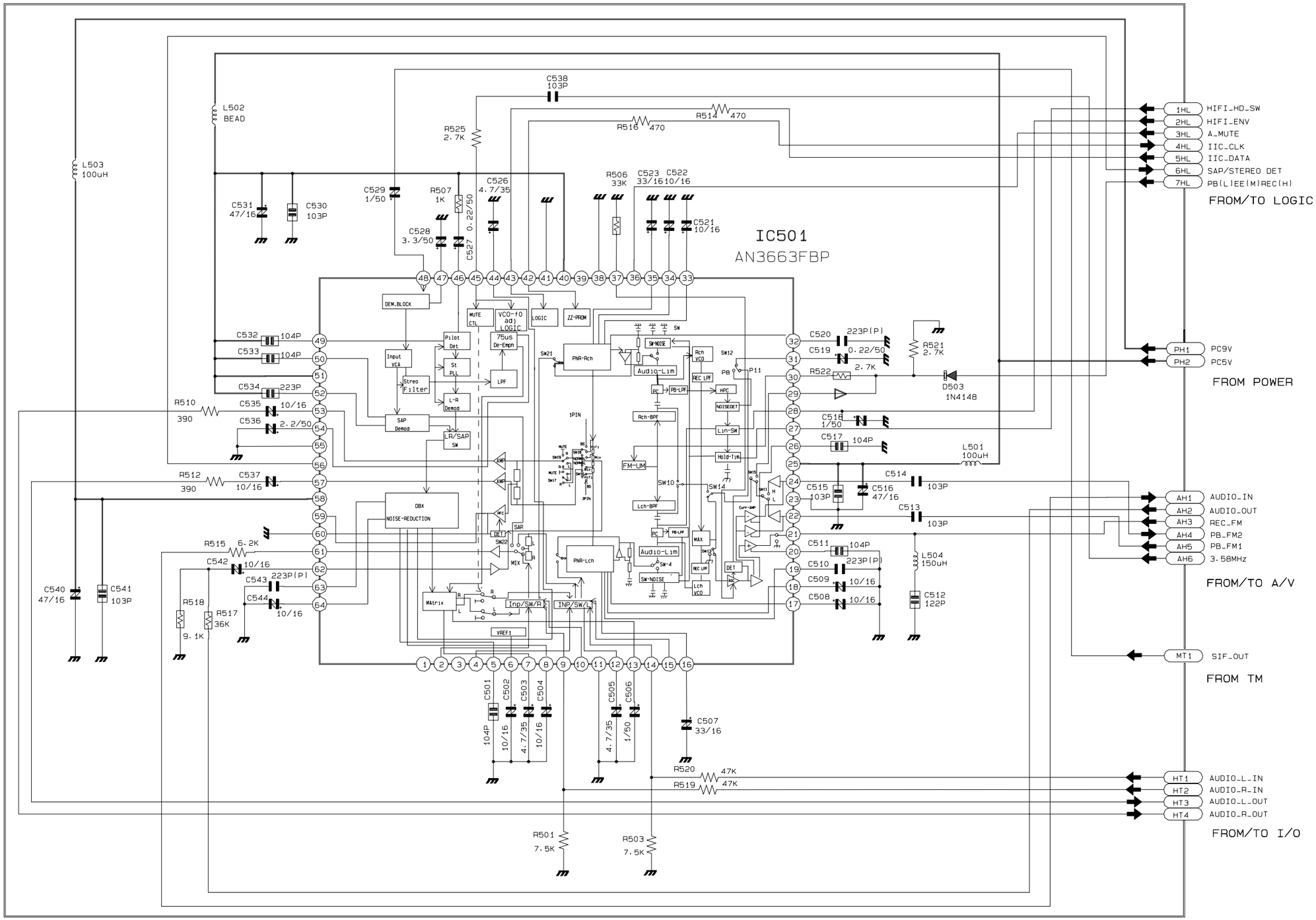
6-6 Logic


IC601
MN101DF06
OSD/SERVO/SYSCON/EDS
FROM POWER
AL5.8V
C.M_B+
L.M_B+
VF+
VF-
-30V
VCR_POWER
DVD_POWER
FROM/TO HIFI/MTS
HIFI_HD_SW
HIFI_ENV
A_MUTE
IIC_CLK
IIC_DATA
SAP/STEREO DET
PB(L)EE(M)REC(H)
FROM/TO TM
TV/VCR
IIC_DATA
IIC_CLK
AFT
CH_3/4
FROM/TO I/O
SCLK
DATA_IN
DATA_OUT
SRQ
DVD-RESET
RRQ
A_MUTE
IIC_CLK
IIC_DATA
CODEC_RST.
THWAR
FAULT
AMP_POWER
OSD_V-OUT
HP-R
GND
HP-L
FROM/TO A/V
ENVE_COMP
V.ENVE
A_MUTE
HD_AMP_SW
ROTARY
V.HEAD_SW
AV_SEL
AV_DATA
AV_CLK
V_ENV_TP
V-LOCK
D-REC
CTL+
CTL-
V_SYNC
F.E_H
SHARP
V_IN
FROM/TO AM/FM TUNER
TUNED
STEREO
PLL_CE
PLL_DI
PLL_CLK
PLL_DO
CN604
CN701
FROM/TO F/T
C.M DRIVE
S-REELL
T-REEL
SW803
PROG
SW802
REC SW
TP5
CTL

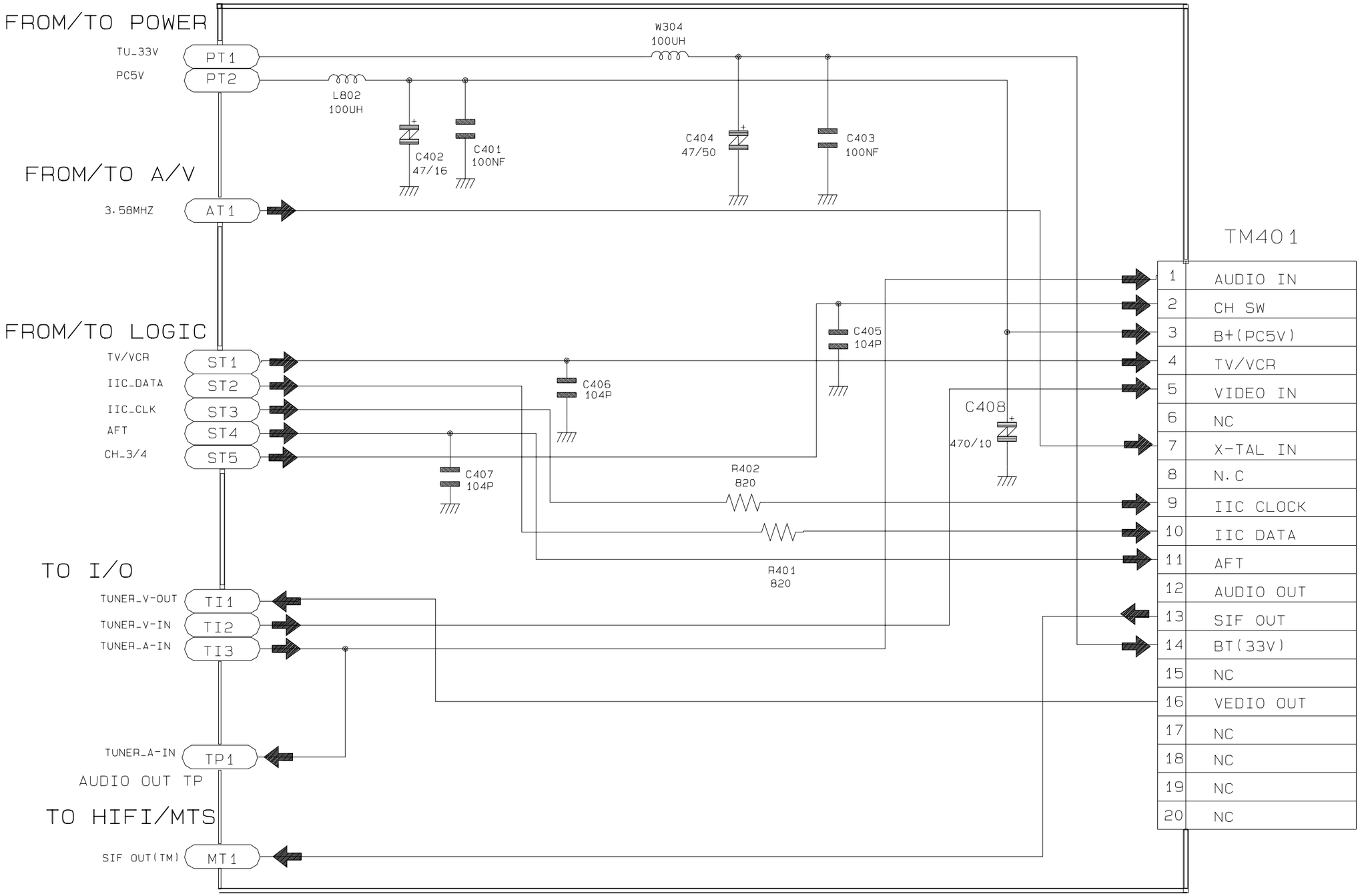
6-7 A/V


F/ERASE
W183 JUMPER
W171 JUMPER
Q3D01 C3203
L3D02 100uH
Q3D02 A733
L3001 47UH(R)
C3001 22NF(P)
R3001 47K
C3002 22/16V
C3003 22/16V
R3003 22K
R3004 10K
GND
R3002 4.7K
C3004 470PF
Q3D07 R1004
A DUBBING OPTION
CN3A02
FULL ERASE 1
FULL ERASE 2
ERASE HEAD
W340 JUMPER
W185 JUMPER
W/O DUB ONLY
IC301 LA71201M
SERIAL DECODER
CCD LC89964
CN301
PB FM1 10
REC FM 9
PB FM2 8
GND 7
SLP CH1 6
SLP COMMON 5
SLP CH2 4
SP CH2 3
SP COMMON 2
SP CH1 1
DRUM WAFER
C359 103P
C360 103P
R343 510
R344 510
L304 100UH
C334 47/16
C335 100PF
R320 HIFI:1.5K MONO:1.2K
HA PRE GND
HA VCC
L303 100UH
C328 47/16
C329 100NF
C326 22K
C327 1/50
R315 8.2K
R313 1.8K
C325 1/50
C324 10NF
C323 1/50
R312 1.2K
R311 680K
C320 10NF
C321 47/16
C322 100NF
L302 100UH
C345 Q303
R314 1.5K
C372 10NF
R319 10K
R318 18K
R317 18K
R316 10K
C330 100NF
C331 47NF
C332 47NF
C333 47NF
R310 2.2K
C371 56PF
Q302 KSA733
R309 200K
C317 1/50
C316 1/50
C315 1/50
R308 220K
C314 1000NF
C313 10/16
R346 1K
C312 100NF
C310 1/50
C308 22/16
R305 4.7K
L305 100UH
C305 1/50
C306 100NF
C307 47/16
R321 5.6K
R322 10K
Q304 C945
C336 153
C319 103P
R3A20 000
R3A01 4.3K
C3A01 100NF
L3A03 100UH
C3A04 47/16
C3A03 100NF
C3A02 22/16
C3A05 33/16
C3A07 18NF
R3A02 1.2K
R3A04 9.1K
R3A05 330K
C3A08 10NF
C3A09 10/16
R3A06 150
C3A10 4.7/35
R3A03 000
C3A16 2.2NF
C3A17 4.7/35
R3A07 27K
C3A15 0.56NF
R3A08 1K
R301 15K
R302 6.2K
C301 1/50
C302 360PF
C303 100NF
C304 180PF
R304 1.8K
R303 1.8K
C358 10NF
R348 2.2K
Q305 D1004
L3A01 15mH
R3A09 1.2K
C3A20 6.8NF
C3A18 8.2NF
C3A19 10NF
R3A11 1.8K
C3A21 182P(P)
C3A11 15NF(P) DUB:18nF
R3A51 10K
L3A50 150UH(R)
DUB ONLY
L3A04 47UH(R)
Q3A03 C3203
L3A02 100uH
Q3A02 A733
R3A24 22K
R3A50 5.1K
C3A12 47/16
DUB:22K
R3A13 47K
Q3A04 KTC3203
R3A18 2.2K
C3A14 470PF
R3A12 100
Q3A05 KTC3203
R3A17 2.2K
R3A14 22K
Q3A06 KSA733
R3A16 10K
L301 100UH
CN3A01
AUDIO ERASE 1
REC 2
PB 3
AUDIO ERASE 4
CTL+ 5
CTL- 6
ACE HEAD
1AL ENV_COMP
2AL V-ENVE
3AL A_MUTE
4AL HD_AMP_SW
5AL ROTARY
6AL V-HEAD_SW
7AL AL_SEL
8AL AV_DATA
9AL AV_CLK
10AL V_ENV_TP
11AL V-LOCK
12AL D-REC
13AL CTL+
14AL CTL-
15AL V_SYNC
16AL F.E_H
17AL SHARP
18AL V-IN
FROM/TO LOGIC
PA2 PC5V
FROM POWER
AH1 AUDIO_IN
AH2 AUDIO_OUT
AH3 REC_FM
AH4 PB_FM2
AH5 PB_FM1
AH6 3.58MHz
FROM/TO HIFI/MTS
AT1 3.58MHZ
FROM/TO TM
AI1 VIDEO_IN
FROM/TO I/O

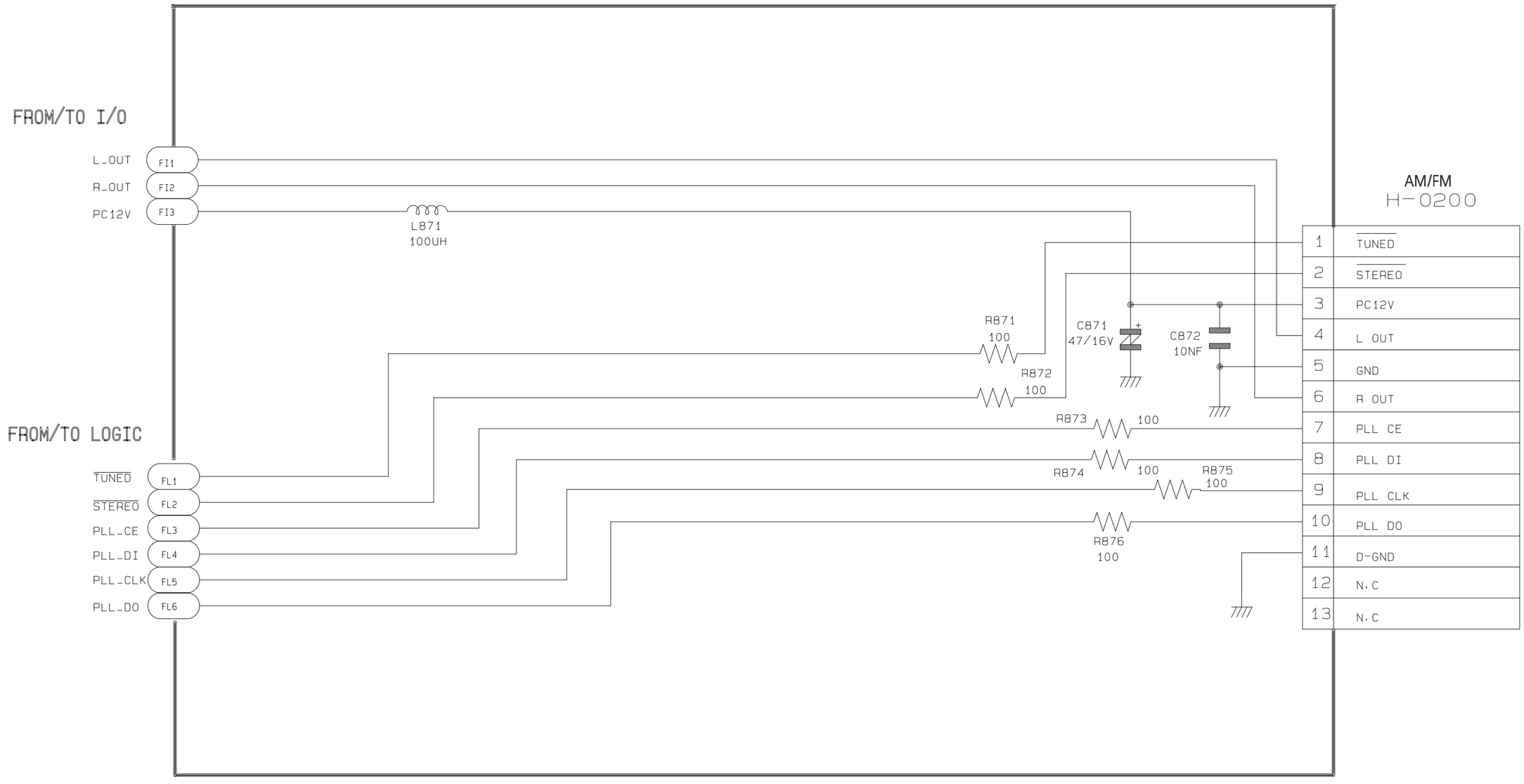
6-8 Hi-Fi/MTS


IC501
AN3663FBP
L502 BEAD
L503 100uH
C538 103P
R525 2.7K
R514 470
R516 470
C529 1/50
R507 1K
C526 4.7/35
R506 33K
C523 33/16
C522 10/16
C531 47/16
C530 103P
C528 3.3/50
C527 0.22/50
C521 10/16
DEM.BLOCK
MUTE CTL
VCO-fO adj LOGIC
LOGIC
ZZ-PROM
C532 104P
C533 104P
C534 223P
C535 10/16
C536 2.2/50
R510 390
R512 390
C537 10/16
R515 6.2K
C542 10/16
C543 223P(P)
C544 10/16
C540 47/16
C541 103P
R518 9.1K
R517 36K
Pilot Det
St PLL
L-R Demod
75us De-Emph
LPF
Input VCA
Stereo Filter
SAP Demod
LR/SAP SW
DBX NOISE-REDUCTION
MAtrix
Inp/SW/R
INP/SW/L
VREF1
SAP
DET
SW22
MIX
PNR-Rch
PNR-Lch
SW-NOISE
Audio-Lim
REC LIM
Rch VCO
Lch VCO
SW12
SW21
SW10
SW14
SW-4
PB-LPF
HPC
NOISEDET
Rch-BPF
Lch-BPF
Lin-SW
Hold-Tim
FM-LIM
MAX
C520 223P(P)
C519 0.22/50
R521 2.7K
R522 2.7K
D503 1N4148
C518 1/50
C517 104P
L501 100uH
C514 103P
C515 103P
C516 47/16
C513 103P
C511 104P
C510 223P(P)
C509 10/16
C508 10/16
L504 150uH
C512 122P
C501 104P
C502 10/16
C503 4.7/35
C504 10/16
C505 4.7/35
C506 1/50
C507 33/16
R520 47K
R519 47K
R501 7.5K
R503 7.5K
1HL HIFI_HD_SW
2HL HIFI_ENV
3HL A_MUTE
4HL IIC_CLK
5HL IIC_DATA
6HL SAP/STEREO DET
7HL PB(L)EE(M)REC(H)
FROM/TO LOGIC
PH1 PC9V
PH2 PC5V
FROM POWER
AH1 AUDIO_IN
AH2 AUDIO_OUT
AH3 REC_FM
AH4 PB_FM2
AH5 PB_FM1
AH6 3.58MHz
FROM/TO A/V
MT1 SIF_OUT
FROM TM
HT1 AUDIO_L_IN
HT2 AUDIO_R_IN
HT3 AUDIO_L_OUT
HT4 AUDIO_R_OUT
FROM/TO I/O

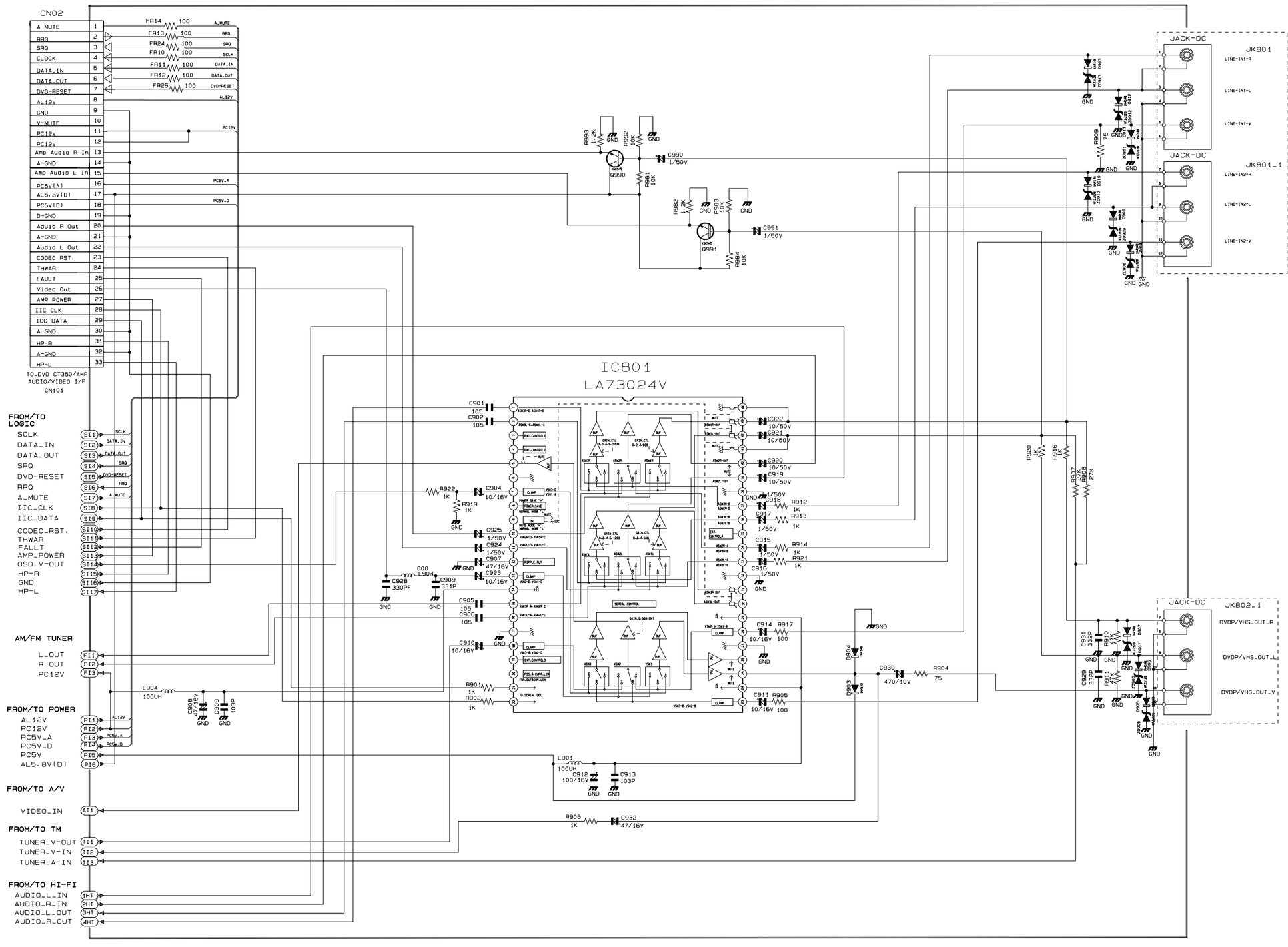
6-9 TM


FROM/TO POWER
TU_33V
PC5V
PT1
PT2
W304
100UH
L802
100UH
C402
47/16
C401
100NF
C404
47/50
C403
100NF
FROM/TO A/V
3.58MHZ
AT1
FROM/TO LOGIC
TV/VCR
IIC_DATA
IIC_CLK
AFT
CH_3/4
ST1
ST2
ST3
ST4
ST5
C406
104P
C405
104P
C407
104P
C408
470/10
R402
820
R401
820
TM401
1 AUDIO IN
2 CH SW
3 B+(PC5V)
4 TV/VCR
5 VIDEO IN
6 NC
7 X-TAL IN
8 N.C
9 IIC CLOCK
10 IIC DATA
11 AFT
12 AUDIO OUT
13 SIF OUT
14 BT(33V)
15 NC
16 VEDIO OUT
17 NC
18 NC
19 NC
20 NC
TO I/O
TUNER_V-OUT
TUNER_V-IN
TUNER_A-IN
TI1
TI2
TI3
TUNER_A-IN
TP1
AUDIO OUT TP
TO HIFI/MTS
SIF OUT(TM)
MT1

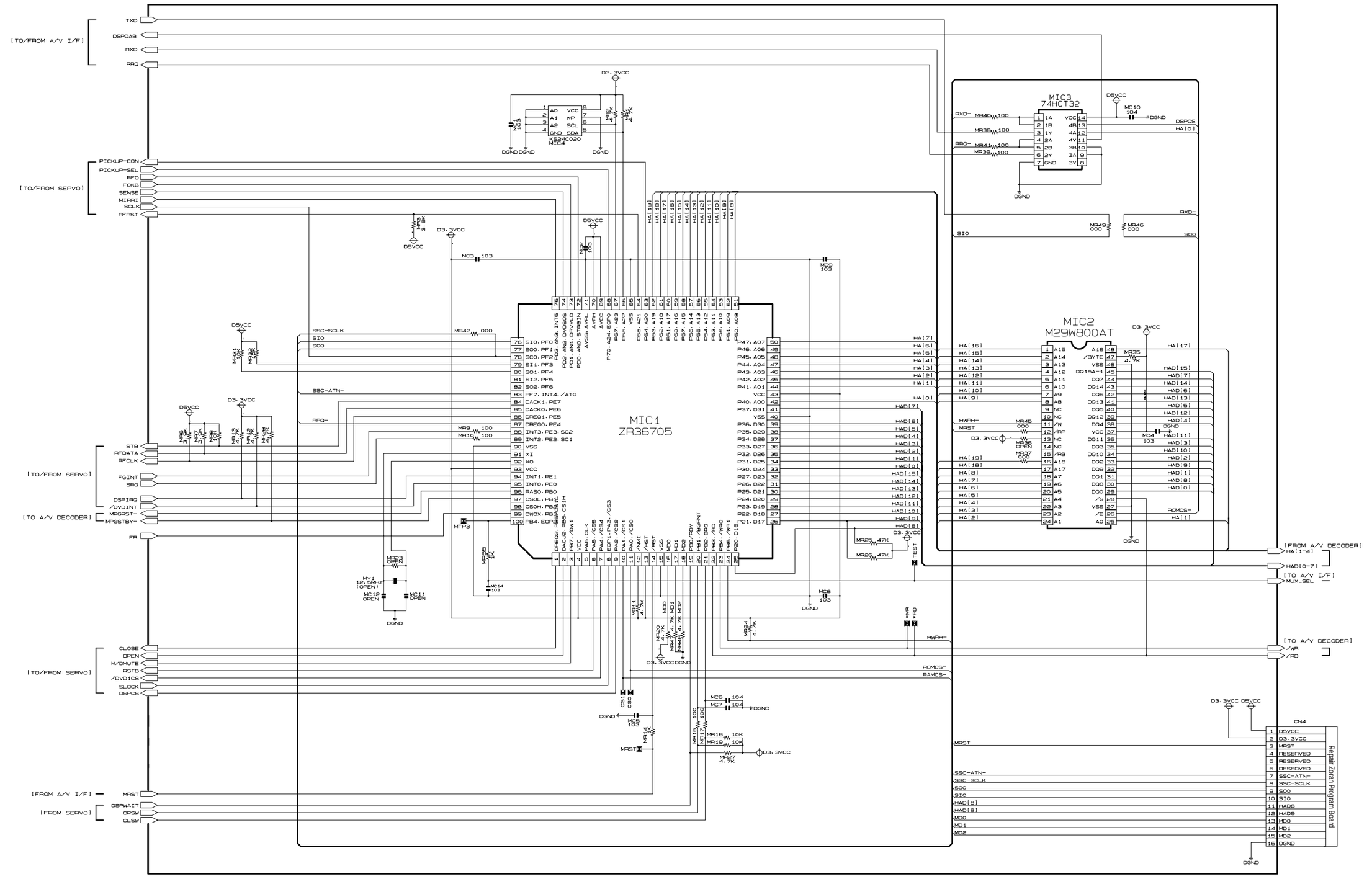
6-10 AM/FM Receiver



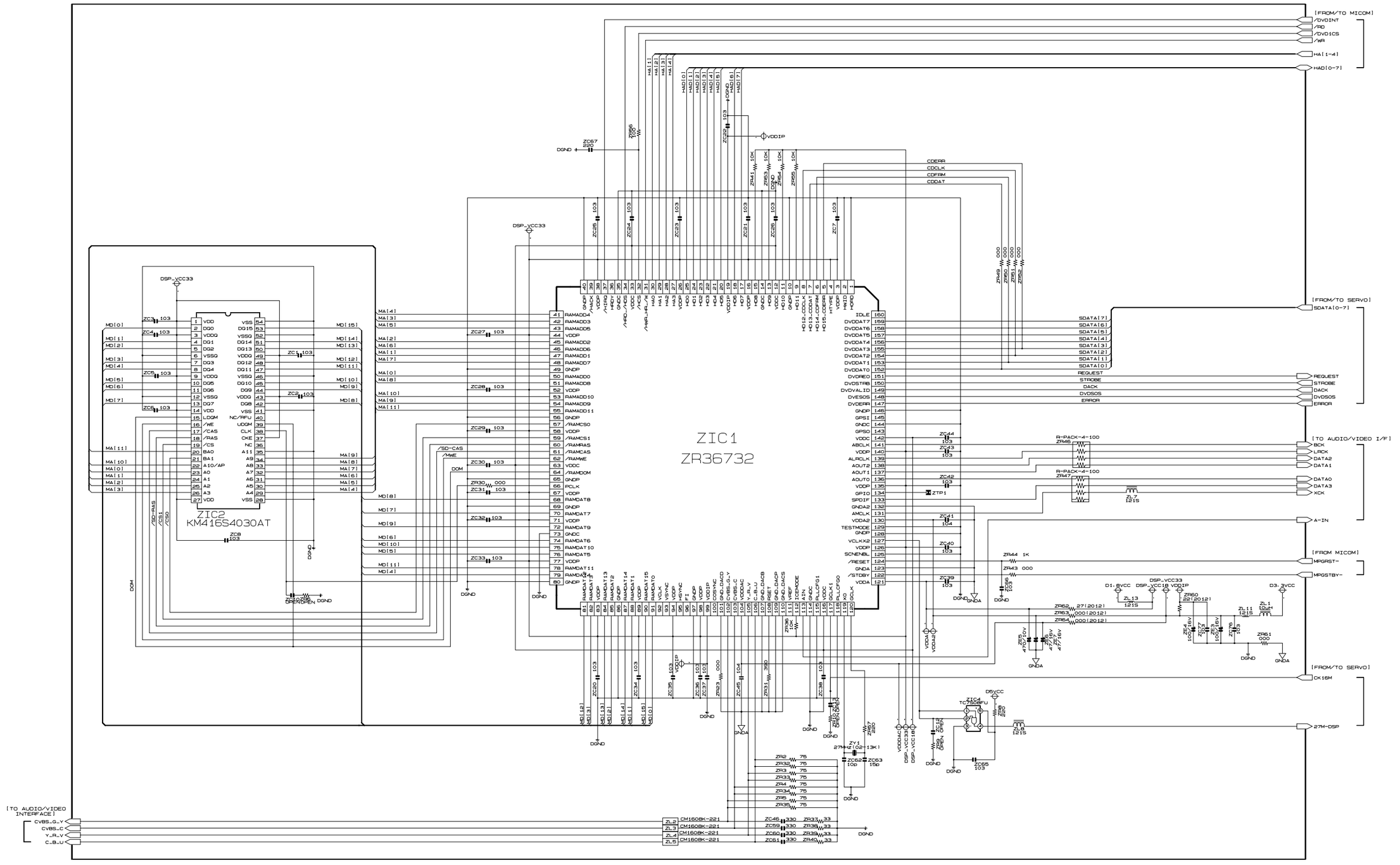
6-11 Input-Output



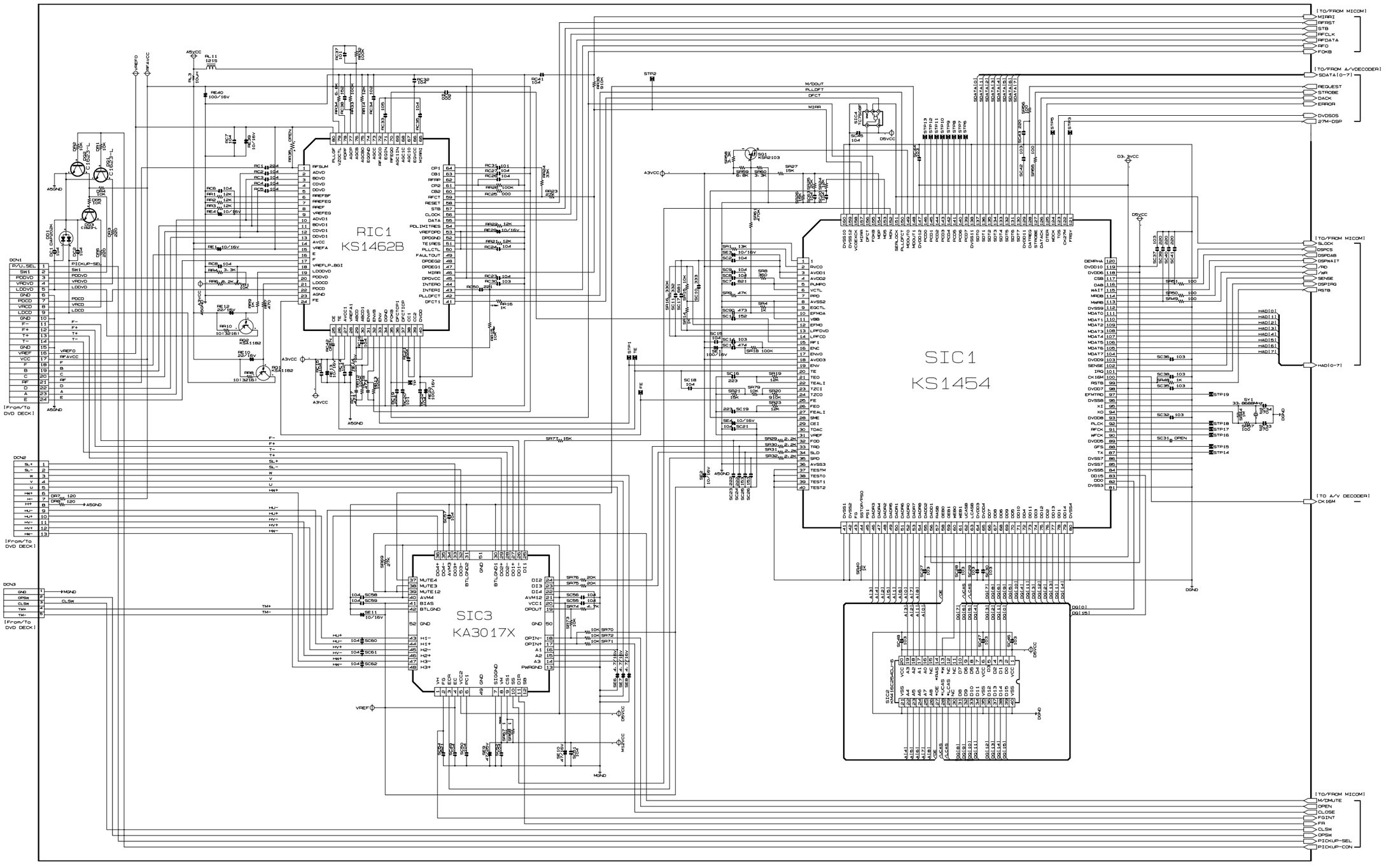
6-12 DVD Micom



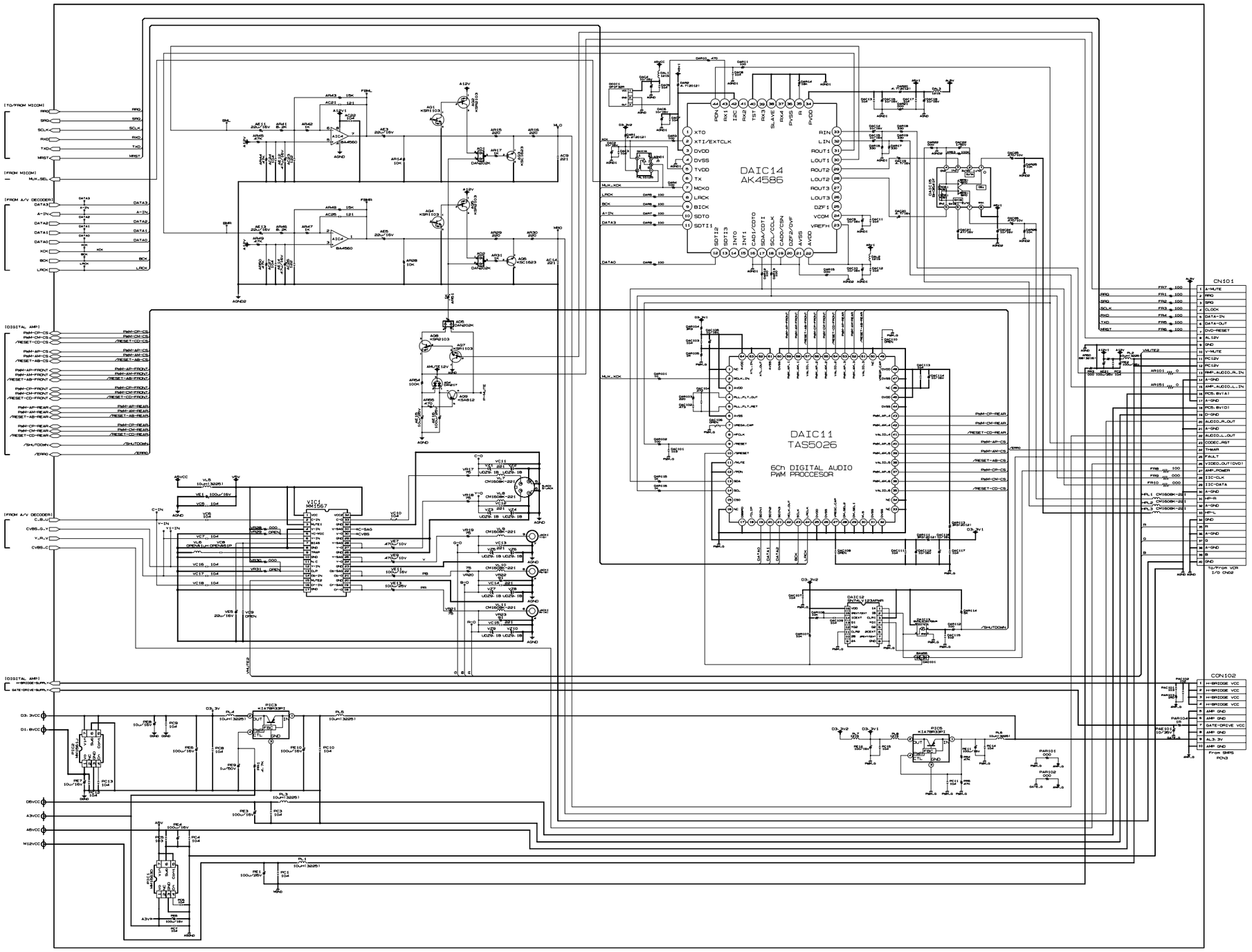
6-13 DVD AV Decoder



6-14 DVD Servo



6-15 DVD Audio/Video Interface



6-16 Digital Amp